

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
BEFORE THE ADMINISTRATOR**

IN THE MATTER OF	§	PETITION FOR OBJECTION
	§	
Clean Air Act Title V Permit No. O1440	§	
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Issued to Phillips 66 Company	§	Permit No. O1440
	§	
Issued by the Texas Commission on	§	
Environmental Quality	§	
	§	
	§	

**PETITION TO OBJECT TO TITLE V PERMIT NO. O1440 ISSUED BY THE TEXAS
COMMISSION ON ENVIRONMENTAL QUALITY**

Pursuant to section 42 U.S.C. § 7661d(b)(2), the Environmental Integrity Project and Sierra Club (“Petitioners”) hereby petition the Administrator of the U.S. Environmental Protection Agency (“Administrator” or “EPA”) to object to Proposed Federal Operating Permit No. O1440 issued by the Texas Commission on Environmental Quality (“TCEQ” or “Commission”) authorizing operation of the Borger Refinery in Hutchinson County, Texas.

I. PETITIONERS

The Environmental Integrity Project is a non-profit, non-partisan watchdog organization that advocates for effective enforcement of environmental laws. EIP has three goals: (1) to illustrate through objective facts and figures how the failure to enforce and implement environmental laws increases pollution and harms public health; (2) to hold federal and state agencies, as well as individual corporations accountable for failing to enforce or comply with environmental laws; and (3) to help local communities obtain protections guaranteed by environmental laws. The Environmental Integrity Project has offices and programs in Austin, Texas and Washington, D.C.

The Sierra Club is a national nonprofit organization with 67 chapters and over 635,000 members dedicated to exploring, enjoying, and protecting the wild places of earth; to practicing and promoting the responsible use of earth's ecosystems and resources; to educating and enlisting humanity to protect and restore the quality of the natural and human environment; and to using all lawful means to carry out these objectives. The Lone Star Chapter of the Sierra Club has members who live, work, and recreate in areas affected by air pollution from the Borger Refinery.

II. PROCEDURAL BACKGROUND

This petition addresses the TCEQ's renewal of Permit No. O1440 authorizing operation of Phillips 66's Borger Refinery. The Borger Refinery is a major source of criteria air pollutants and hazardous air pollutants located in the city of Borger, Texas about 50 miles northeast of Amarillo.

Phillips 66 filed its application to renew Permit No. O1440 on August 28, 2013. The Executive Director concluded his technical review of Phillips 66's application on September 28, 2015. The Executive Director proposed to approve Phillips 66's application and issued Draft Permit No. O1440, notice of which was published on October 14, 2015. (Exhibit A), Draft Permit No. O1440 ("Draft Permit"). Petitioner groups timely-filed comments with the TCEQ identifying deficiencies in the Draft Permit. (Exhibit B), Public Comments on Draft Permit No. O1440 ("Public Comments").

On May 25, 2017, the TCEQ's Executive Director issued notice of Proposed Permit No. O1440 along with his response to public comments on the Draft Permit. (Exhibit C), Notice of Proposed Permit and the Executive Director's Response to Public Comment ("Response to Comments"); (Exhibit D), Proposed Permit No. O1440 ("Proposed Permit"); (Exhibit E), Statement of Basis, Permit No. O1440. The Executive Director revised the Proposed Permit to address some, but not all of the deficiencies that Petitioners identified in their Public Comments.

EPA's 45-day review period for the Proposed Permit began on May 30, 2017 and ended on July 14, 2017. Because the Administrator did not object to the Proposed Permit during his 45-day review period, members of the public have 60-days from the close of the review period to petition the Administrator to object to the Proposed Permit. This petition for objection is timely filed.

III. LEGAL REQUIREMENTS

Title V permits are the primary method for enforcing and assuring compliance with the Clean Air Act's pollution control requirements for major sources of air pollution. *Operating Permit Program*, 57 Fed. Reg. 32,250, 32,258 (July 21, 1992). Prior to enactment of the Title V permitting program, regulators, operators, and members of the public had difficulty determining which requirements applied to each major source and whether sources were complying with applicable requirements. This was a problem because applicable requirements for each major source were spread across many different rules and orders, some of which did not make it clear how general requirements applied to specific sources.

The Title V permitting program was created to improve compliance with and to facilitate enforcement of Clean Air Act requirements by requiring each major source to obtain an operating permit that (1) lists all applicable federally-enforceable requirements, (2) contains enough information for readers to determine how applicable requirements apply to units at the permitted source, and (3) establishes monitoring requirements that assure compliance with all applicable requirements. 42 U.S.C. § 7661c(a) and (c); 40 C.F.R. § 70.6(a) and (c); *Virginia v. Browner*, 80 F.3d 869, 873 (4th Cir. 1996) ("The permit is crucial to implementation of the Act: it contains, in a single, comprehensive set of documents, all CAA requirements relevant to the particular source."); *Sierra Club v. EPA*, 536 F.3d 673, 674-75 (D.C. Cir. 2008) ("But Title V did more than require the compilation in a single document of existing applicable emission limits It also

mandated that each permit . . . shall set forth monitoring requirements to assure compliance with the permit terms and conditions”).

The Title V permitting program provides a process for stakeholders to resolve disputes about which requirements should apply to each major source of air pollution outside of the enforcement context. 57 Fed. Reg. 32,266 (“Under the [Title V] permit system, these disputes will no longer arise because any differences among the State, EPA, the permittee, and interested members of the public as to which of the Act’s requirements apply to the particular source will be resolved during the permit issuance and subsequent review process.”). Accordingly, federal courts do not generally second guess Title V permitting decisions made by state permitting agencies and will not enforce otherwise-applicable requirements that have been omitted from or displaced by conditions in a Title V permit. *See*, 42 U.S.C. § 7607(b)(2); *see also*, *Sierra Club v. Otter Tail*, 615 F.3d 1008 (8th Cir. 2008) (holding that enforcement of New Source Performance Standard omitted from a source’s Title V permit was barred by 42 U.S.C. § 7607(b)(2)). Because courts rely on Title V permits to determine which requirements may be enforced and which requirements may not be enforced against each major source, state-permitting agencies and EPA must exercise care to ensure that each Title V permit includes a clear, complete, and accurate account of the requirements that apply to the permitted source.

The Act requires the Administrator to object to a state-issued Title V permit if he determines that it fails to include and assure compliance with all applicable requirements. 42 U.S.C. § 7661d(b)(1); 40 C.F.R. § 70.8(c). If the Administrator does not object to a Title V permit, “any person may petition the Administrator within 60 days after the expiration of the Administrator’s 45-day review period to make such objection.” 42 U.S.C. § 7661d(b)(2); 40 C.F.R. § 70.8(d); 30 Tex. Admin. Code § 122.360. The Administrator “shall issue an objection .

. . . if the petitioner demonstrates to the Administrator that the permit is not in compliance with the requirements of the . . . [Clean Air Act].” 42 U.S.C. § 7661d(b)(2); *see also*, 40 C.F.R. § 70.8(c)(1). The Administrator must grant or deny a petition to object within 60 days of its filing. 42 U.S.C. § 7661d(b)(2).

IV. GROUNDS FOR OBJECTION

A. The Proposed Permit is Deficient Because it Allows Phillips 66 to Use Texas’s Minor Source Flexible Permit Program to Authorize Modifications to a Major Source

1. Specific Grounds for Objection, Including Citation to Permit Term

The Proposed Permit is deficient because it fails to assure compliance with applicable federally-approved preconstruction permitting requirements for minor and major sources in the Texas State Implementation Plan (“SIP”). Specifically, the Proposed Permit fails to assure compliance with preconstruction permitting requirements in 30 Tex. Admin. Code, Chapter 116, Subchapter B. The Proposed Permit incorporates Phillips 66’s state-only major source flexible permit and Texas’s federally-approved minor source flexible permit program rules as applicable requirements. Texas’s minor source flexible permit program rules provide minor sources in Texas with an alternative to the State’s Chapter 116 preconstruction permitting rules for major and minor sources. Phillips 66, however, is not eligible for a federally-approved flexible permit and may not use Texas’s federally-approved minor source flexible permit program rules to authorize projects at the Borger Refinery, because the flexible permit program only applies to minor sources and the Borger Refinery is a major source of air pollution.

Proposed Permit, Special Condition No. 21 incorporates Texas’s federally-approved minor source flexible permit program rules as applicable requirements. Specifically, Special Condition No. 21(F) incorporates 30 Tex. Admin. Code § 116.721(a), which provides that flexible permit projects that do not result in an increase in allowable emissions do not require a permit

amendment.¹ *Compare with* 30 Tex. Admin. Code § 116.116(b)(1)(C) (any project that causes an increase in actual emissions requires an amendment).

Proposed Permit, Special Condition No. 17 provides that flexible permits referenced in the Proposed Permit's New Source Review Authorization References attachment are applicable requirements incorporated by reference into the Proposed Permit.

Proposed Permit, New Source Review Authorization References attachment lists Permit Nos. PSDTX102M7 and 9868A as permits incorporated by reference into the Proposed Permit. Proposed Permit at 280. The two permit numbers refer to the same permit, henceforth referred to in this petition as "Flexible Permit," which is included in its entirety in Appendix B to the Proposed Permit.

2. Applicable Requirement or Part 70 Requirement Not Met

Each Title V permit must include conditions necessary to assure compliance with applicable requirements, including requirements in a state's federally-approved State Implementation Plan. 42 U.S.C. § 7661c(a). Texas's federally-approved Chapter 116, Subchapter B rules establish preconstruction permitting requirements for major and minor sources of air pollution. According to these rules, a project at an existing source that will cause an increase in actual emissions must be authorized by a permit amendment. 30 Tex. Admin. Code §§ 116.110(a) and 116.116(b)(1)(C). To obtain a permit amendment, an applicant must demonstrate compliance with various requirements, including Best Available Control Technology and impacts requirements. *Id.* at § 116.111(a)(2). Texas's minor source flexible permit program establishes an exemption from the Subchapter B amendment application and demonstration requirements for

¹ Specifically, 30 Tex. Admin. Code § 116.721(a) provides that any change that results in a "significant increase in emissions" requires an amendment. 30 Tex. Admin. Code § 116.718 states that "[a]n increase in emissions from operational or physical changes at an existing facility authorized by a flexible permit is insignificant, for purposes of the minor new source review under this subchapter, if the increase does not exceed either the emission cap or individual emission limitation.").

projects at an existing facility authorized by a flexible permit, so long as emission increases caused by the project can be accommodated within existing emission caps and limits in a federally approved flexible permit. *Id.* at §§ 116.710(a), 116.718 and 116.721. The minor source flexible permit program rules also provide that changes at existing flexible permit facilities that do not require an amendment are not subject to Best Available Control Technology requirements. *Id.* at § 116.721(b)(3). Texas’s federally-approved minor source flexible permit program rules, however, may not be used to exempt *major sources* of air pollution from preconstruction permitting requirements in Chapter 116, Subchapter B. This is so because, as explained below, Texas’s federally approved flexible permit program is limited to minor sources.

3. Inadequacy of the Permit Term

The Clean Air Act “distinguishes between major and minor pollution sources based on a threshold amount of pollution; major sources are subject to much more stringent regulations.” *Environmental Integrity Project v. EPA* (“Flex II”), 2015 WL 4399482 (5th Cir. 2015) (unpublished). While the preconstruction permitting exemption for flexible permit changes that do not increase allowable emissions may not threaten the integrity of Texas’s major source permitting requirements if it is only available to minor sources, it undermines the enforceability of major source requirements if it is made available to major sources, like the Borger Refinery. Accordingly, as Texas argued to the Fifth Circuit Court of Appeals and as the Court subsequently held, Texas may not issue flexible permits to major sources and emission caps in flexible permits must remain below the applicable major source threshold. *Flex II* at *1 (holding that major sources may not use flexible permits, that such sources are regulated under Texas’s more stringent major NSR rules, and that emission caps in federally-approved flexible permits must remain below the major source threshold); *see also*, Brief of Intervenor, State of Texas, In Support of Respondent Environmental Protection Agency, 2015 WL 1156712 at *7 ([M]inor new source review . . .

pertains to the construction of new *minor sources* and to *minor modifications* of minor sources. A minor source is any source that is not a major source”) and *16 (“Texas’s Flexible Permit Program is a state *minor* new source review program”) (emphasis in original); Petition for Review, *State of Texas v. EPA* (“Flex I”) (July 23, 2010) (“The FPP is a voluntary authorization mechanism for *Minor NSR* sources designed to enhance control of emissions while allowing for greater operational flexibility”) (emphasis added).

Phillips 66 may not use Texas’s federally-approved minor source flexible permit program rules to authorize modifications to facilities at the Borger Refinery, because the refinery is a major source of air pollution. The Proposed Permit fails to assure compliance with the limits of Texas’s federally-approved *minor source* flexible permit program and the State’s federally-approved Chapter 116, Subchapter B requirements for major and minor sources, because it incorporates by reference a state-only major source flexible permit, which establishes emission caps much higher than the applicable major source threshold, and indicates that Phillips 66 may use Texas’s minor source flexible permit program rules to authorize projects at the Borger Refinery.

Even if Texas’s federally-approved minor source flexible permit program could be used to authorize projects at major sources, Phillips 66 still cannot use the program to avoid preconstruction permitting requirements in Texas’s Chapter 116, Subchapter B rules. This is so, because Phillips 66’s flexible permit is a state-only authorization that was issued prior to EPA’s approval of Texas’s minor source flexible permit program rules. A state-only permit may not be used to modify a source’s SIP obligations. 42 U.S.C. § 7410(i) (prohibiting states and EPA from issuing orders that modify State Implementation Plan requirements with respect to any stationary source). Sources without a federally approved minor source flexible permit must comply with preconstruction permitting requirements in Chapter 116, Subchapter B. 30 Tex. Admin. Code §

116.110. EPA made it clear when it approved Texas’s minor source flexible permit program rules that the approval did not convert existing state-only flexible permits into federal authorizations. *Approval and Promulgation of Implementation Plans; Texas; Flexible Permit Program*, 79 Fed. Reg. 40,666, 40,667-68 (July 14, 2014) (strongly rejecting the suggestion that EPA’s program approval transformed pre-approval state-only permits into federally approved permits, because such permits were issued under different rules); 40 C.F.R. § 51.105 (“Revisions of a plan, or any portion thereof, will not be considered part of an applicable plan until such revisions have been approved by the Administrator in accordance with tis part.”); *see also*, 42 U.S.C. § 7410(i).

4. Issues Raised in Public Comments

Petitioners raised this issue on pages 2-4 of their Public Comments.

5. Analysis of the State’s Response

Petitioners demonstrated that the Proposed Permit is deficient, because it incorporates Phillips 66’s state-only major source flexible permit as a federally enforceable authorization and allows Phillips 66 to take advantage of the minor source flexible permit program’s exemption to preconstruction permit amendment requirements for projects at the Borger Refinery that do not exceed emission caps or emission limits in Phillips 66’s flexible permit. The Executive Director’s response to comments does not directly address Petitioners’ demonstration, nor does it answer questions directly posed by Petitioners’ Public Comments concerning the Executive Director’s apparent disregard for the clear holdings of *Flex II* and the TCEQ’s representations regarding the limitations of the flexible permit program in pleadings and briefing filed in *Flex I* and *Flex II*. Public Comments at 4.

First, the Executive Director acknowledges that Phillips 66’s flexible permit was issued before EPA approved Texas’s minor source flexible permit program. Response to Comments at 4. The Executive Director then points out that Texas’s minor source flexible permit program was

eventually approved by EPA. *Id.* This portion of the Executive Director’s response repeats, rather than disputes, background facts that Petitioners included in their Public Comments.

Next, the Executive Director contends that Texas’s Title V rules compel him to include Phillips 66’s state-only major source flexible permit as an applicable requirement in the Proposed Permit:

The Texas FOP 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 information required by the ED to determine applicability of, or to codify, an “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 preconstruction authorization, flexible permits are applicable requirements and shall be included in applications and Texas-issued FOPs, in compliance with Texas’ approved program.

Id.

This response does not address Petitioners’ demonstration. Even if it is true that Texas’s Title V rules require the Executive Director to include Phillips 66’s state-only major source flexible permit as an applicable requirement in the Proposed Permit, the Executive Director has not explained (1) why he is also required to include Texas’s flexible permit program rules at 30 Tex. Admin. Code § 116.718 and 116.721—which establish an exemption from the permit amendment requirement for projects that will not cause an increase in allowable emissions—as applicable requirements in the Proposed Permit; and (2) why he is not required to clarify that Phillips 66 may not use Texas’s federally-approved minor source flexible permit program rules to avoid Chapter 116, Subchapter B preconstruction permitting requirements for major and minor sources.

The Executive Director may not issue a Title V permit that fails to assure compliance with preconstruction permitting requirements in the Texas State Implementation Plan. 42 U.S.C. § 7661c(a). The Executive Director may not rely on the State’s definition of “applicable requirement” to avoid this clear statutory mandate. If the Executive Director believes that the TCEQ’s rules require him to include Phillips 66’s state-only major source flexible permit as an applicable requirement in the Proposed Permit, he must find a way to do that without undermining the enforceability of Texas’s Chapter 116, Subchapter B rules.

Next, the Executive Director takes issue with Petitioners’ claim that the Proposed Permit’s incorporation by reference of Phillips 66’s state-only major source flexible permit and the State’s federally approved minor source flexible permit program rules allows circumvention of applicable major source requirements:

The ED also notes that 30 TAC § 101.3 prohibits the use of any mechanism to circumvent regulations or the Clean Air Act, which includes major NSR permitting requirements. Therefore, the flexible permit authorization mechanism may not be used to circumvent major NSR permitting requirements. This is reinforced by the Fifth Circuit Court of Appeal’s [sic] *Flex II* decision which states:

“All of the petitioners’ arguments rest on the assumption that the SIP will somehow allow flexible permit holders to bypass Major NSR when making major modifications to existing constructions. Our 2012 opinion forecloses that assumption. As we explained, the flexible permit program by definition covers only Minor NSR and affirmatively requires compliance with any applicable Major NSR. If, as the petitioners argue, some flexible permit holders attempt to evade Major NSR, they will be doing so not in accordance with the SIP but in violation of it.”

The Court’s *Flex I* decision further states, “. . . because the Texas permitting scheme affirmatively requires compliance with ‘Non-attainment review’ and ‘PSD’—the components of Major NSR—it does not, on its face, allow major sources to evade Major NSR.”

Response to Comments at 4.

This argument fails for two reasons. First, the Executive Director’s reliance on 30 Tex. Admin. Code § 101.3 fails because it is the Proposed Permit that, as a matter of law, identifies the

Clean Air Act requirements that are enforceable against the Borger Refinery. As EPA explained in the preamble to its initial Title V rules:

One of the primary goals behind title V is to have greater certainty for sources and State and Federal enforcement personnel as to what requirements under the Act apply to a particular source. In order to achieve that certainty, the terms of the permit cannot be subject to challenge in enforcement actions. Limiting judicial review of permits has advantages for the permittee, the permitting authority and EPA. The advantage for permittees is the added certainty and stability gained by their permit no longer being subject to challenge. Enforcement at the State and Federal level should also benefit significantly. Currently, many enforcement actions are hindered by disputes over which Act requirements apply. Under the permit system, these disputes will no longer arise because any differences among the State, EPA, the permittee, and the interested members of the public as to which of the Act's requirements apply to the particular source will be resolved during the permit issuance and subsequent review process.

57 Fed. Reg. 62265-66.

For this reason, federal courts have routinely declined to enforce otherwise-applicable requirements that were omitted or undermined by provisions in a Title V permit. *See, e.g., Otter Tail*, 615 F.3d 1020-22. Thus, to assure compliance with applicable provisions in the Texas State Implementation Plan, as required by 42 U.S.C. § 7661c(a), the Proposed Permit may not incorporate Texas's minor source flexible permit program rules at 30 Tex. Admin. Code §§ 116.718 and 116.721 as applicable requirements. Said differently, it is not enough to prohibit violations of the Clean Air Act. The Proposed Permit must identify and assure compliance with applicable requirements. 42 U.S.C. § 7661c(a) and (c).

The Executive Director's attempt to leverage 30 Tex. Admin. Code § 101.3 into a defense of the Proposed Permit also proves too much. If merely prohibiting non-compliance with the Clean Air Act was sufficient to assure compliance with the Act's requirements, there would be no need for the Title V permitting process. In fact, if a general prohibition on circumvention assured compliance with the Act, there would be no need for any judicial oversight of and public

participation in any permitting process. The problem, as Congress realized when it created the Title V permitting program, is that it is often difficult to identify which requirements apply to a particular source. To effectively assure compliance with applicable requirements, the Proposed Permit must identify the specific requirements that apply to the Borger Refinery. Because the Proposed Permit improperly allows Phillips 66 to take advantage of exemptions to Chapter 116, Subchapter B preconstruction permitting requirements, it undermines the enforceability of those requirements.

The Executive Director's reading of the *Flex I* and *Flex II* decisions is also flawed and does not rebut Petitioners' demonstration that the Proposed Permit is deficient. While it is true that the Court held that the federally-approved minor source flexible permit program does not threaten the integrity of the Act's major NSR requirements, the reason that is so—as made clear by the portion of the *Flex II* decision cited by the Executive Director—is that “the flexible permit program by definition covers only Minor NSR[.]” The program only covers Minor NSR, because “[u]nder the plan, an entity may obtain a flexible permit for emissions up to a specified aggregate limit *below the major source threshold.*” *Flex II* at *1 (emphasis added). This position is consistent the description of its program Texas provided to the Court: the flexible permit program only applies “to the construction of new *minor sources* and to *minor modifications* of minor sources.” Brief of Intervenor, State of Texas, In Support of Respondent Environmental Protection Agency, 2015 WL 1156712 at *7. Thus, the Proposed Permit threatens the integrity of major NSR permitting requirements because it violates the limits of Texas's federally-approved minor source flexible permit program rules by allowing Phillips 66 to use those rules to authorize projects and emissions increases at a *major source* of air pollution.

Petitioners anticipated that the Executive Director would attempt to mischaracterize the Court's *Flex II* decision, and provided him with an opportunity to (1) identify the basis of his authority to issue major source flexible permits that establish emission caps above applicable major source thresholds; and (2) explain why his position that the TCEQ may issue major source flexible permits was not foreclosed by the State's own pleadings and briefing and the Court's decisions in *Flex I* and *Flex II*. Public Comments at 4. The Executive Director did not attempt to answer either of these key questions. Thus, his appeal to the *Flex I* and *Flex II* decisions is incomplete and misleading, and it does not rebut Petitioners' demonstration that the Proposed Permit is deficient. Accordingly, the Administrator must object to the Proposed Permit.

B. The Proposed Permit Fails to Include Monitoring, Testing, and Recordkeeping Requirements that Assure Compliance with Applicable Requirements

1. Specific Grounds for Objection, Including Citation to Permit Term

The Proposed Permit is deficient because it fails to establish monitoring, testing, and recordkeeping conditions that assure compliance with emission limits in New Source Review ("NSR") permits, including Permits by Rule ("PBRs") and Standard Permits, that it incorporates by reference and because the permit record does not contain a reasoned explanation supporting the Executive Director's determination that monitoring, testing, and recordkeeping conditions in the Proposed Permit assure compliance with these requirements.

Proposed Permit, Special Condition No. 17 provides that NSR permits, including PBRs and Standard Permits, listed in the Proposed Permit's New Source Review Authorization References attachment are incorporated by reference into the Proposed Permit as applicable requirements.

The Proposed Permit's New Source Review Authorization References attachment incorporates many different Chapter 116 NSR permits by reference, including PSDTX102M7,

PSDTX1158M1, 100477, 104928, 14441A, 43073, 80799, 82659, 85872, 87458, 90208, and 9868A. Proposed Permit at 280. The attachment also lists nine current and outdated Chapter 106 PBR rules that Phillips 66 has claimed to authorize projects and emissions at the Borger Refinery.

Id.

The Proposed Permit includes the following special condition that establishes recordkeeping requirements for PBRs and Standard Permits:

The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.142 (Reporting Terms and Conditions).

Proposed Permit, Special Condition No. 19.

The Statement of Basis provides the following statement regarding the sufficiency of monitoring in the Proposed Permit:

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Statement of Basis at 105.

None of the Periodic Monitoring or CAM summaries in the Proposed Permit address requirements in Phillips 66's NSR permits, including PBRs and Standard Permits, and the Statement of Basis does not provide a reasoned justification for the Executive Director's determination that existing provisions in Phillips 66's NSR, PBRs, and Standard Permits assure compliance with applicable permit limits and operating requirements.

2. Applicable Requirement of Part 70 Requirement Not Met

Each Title V permit must contain monitoring, recordkeeping, and reporting conditions that assure compliance with all applicable requirements. 42 U.S.C. § 7661c(a) and (c); 40 C.F.R. § 70.6(a)(3) and (c)(1); *In the Matter of Wheelabrator Baltimore* ("Wheelabrator Order"), Permit No. 24-510-01886 at 10 (April 14, 2010). Emission limits in NSR permits, including PBRs and Standard Permits, incorporated by reference into the Proposed Permit are applicable requirements. 40 C.F.R. § 70.2; Proposed Permit, Special Condition No. 17(A). The rationale for the selected monitoring requirements must be clear and documented in the permit record. 40 C.F.R. § 70.5(a)(5); *In the Matter of United States Steel, Granite City Works* ("Granite City I Order"), Order on Petition No. V-2009-03 at 7-8 (January 31, 2011).

As explained below, the Proposed Permit is deficient because (1) it fails to specify monitoring, testing and recordkeeping requirements that assure compliance with emission limits and operating requirements in NSR permits, PBRs, and Standard Permits incorporated by

reference into the Proposed Permit; and (2) the permit record does not contain a reasoned justification for the Executive Director's determination that monitoring, testing, and recordkeeping requirements in the Proposed Permit assure compliance with emission limits and operating requirements established by Phillips 66's NSR permits, PBRs, and Standard Permits.

3. Inadequacy of the Permit Term

a. Permits by Rule

The Proposed Permit incorporates by reference the following PBRs as applicable requirements: 106.261, 106.262, 106.263, 106.371, 106.472, 106.511, 106.512, 106.532, and 106.533. Proposed Permit at 280.

Facilities authorized by these PBRs must comply with general PBR requirements listed at 30 Tex. Admin. Code § 106.4 as well as any requirements listed in the specific claimed PBRs. *Id.* at Special Condition Nos. 17 and 18. Requirements listed at § 106.4 include emission limits for facilities authorized by PBR, 40 Tex. Admin. Code § 106.4(a)(1), as well as a prohibition on the use of PBRs to authorize construction of a new major source or major modification to an existing source. *Id.* at § 106.4(a)(2) and (3). Because the NO_x, CO, H₂SO₄, H₂S, and TRS emission limits established by § 106.4(a)(1) exceed the netting trigger to determine major NSR applicability for modifications to the Borger Refinery, and because PBRs can be used to authorize increases of other pollutants at multiple units within the Refinery at levels that exceed applicable netting thresholds, projects authorized by PBR may trigger PSD netting requirements. *See, Id.* at § 116.160(b).

In addition to these general PBR requirements, the following emission limits and standards contained in PBRs claimed by Phillips 66 are applicable requirements of the Proposed Permit:

PBRs 106.261 and 106.262 establish hourly and annual emission limits for various contaminants, *Id.* at §§ 106.261(a)(2) and (3), 106.262(a)(2), and prohibit visible emissions exceeding five percent opacity. *Id.* at §§ 106.261(a)(5), 106.262(a)(5). Additionally, § 106.262(a)(4) limits the amount of certain chemicals that may be stored at the Refinery.

PBR 106.263, which authorizes routine maintenance, startup, and shutdown activities establishes daily emission limits, *Id.* at § 106.263(d)(1), incorporates by reference emission limits and conditions established by various other PBRs for specific source categories, *Id.* at § 106.263(e)(1)-(5), and incorporates emission limits listed at § 106.4(a)(1)-(3) for any rolling 12-month period. *Id.* at § 106.263(f).

PBR 106.511, which authorizes portable and emergency engines and turbines, limits the maximum operation of such units authorized by PBR to ten percent of the normal annual operating schedule of the primary equipment.

PBR 106.512, which authorizes stationary engines and turbines, requires operators to register emissions from the engines and turbines rated 240 hp or greater, *Id.* at § 106.512(1), establishes emission limits and operating requirements for engines and turbines 500 hp or greater, *Id.* at § 106.512(2) and (3), and limits the kinds and pollutant content of fuel used to power units authorized by the PBR. *Id.* at § 106.512(5).

Though the Proposed Permit requires Phillips 66 to maintain records demonstrating compliance with PBR emission limits and operating requirements, the Proposed Permit is deficient because it does not specify monitoring methods that assure compliance with these limits and requirements. Instead, the Proposed Permit outsources the TCEQ's obligation to specify conditions that assure compliance with applicable requirements to Phillips 66. Proposed Permit, Special Condition No. 19 (establishing non-exhaustive list of data Phillips 66 may consider—at

its discretion—to determine compliance with PBR requirements). This outsourcing renders the Proposed Permit deficient for two reasons: First, the Proposed Permit is deficient because it fails to specify monitoring conditions that assure compliance with each applicable requirement. Second, the Proposed Permit is deficient because the permitting record does not explain how the recordkeeping special condition, Proposed Permit, Special Condition No. 19, and the PBR rules it incorporates by reference assure compliance with applicable PBR emission limits and operating requirements.

The Proposed Permit is deficient for an additional reason: It fails to require permit records demonstrating compliance to be made available to the public, as required by Texas’s Title V program. *In the Matter of Shell Chemical LP and Shell Oil Co* (“Deer Park Order”), Order on Petition Nos. VI-2014-04 and VI-2014-05 at 15 (Sep. 24, 2015) (“[T]he permit records for demonstrating compliance with PBRs must be available to the public as required under the approved Texas title V program.”).

b. Flexible Permit No. 9868A

Flexible permits must specify methods for calculating annual and short term emissions from each type of facility covered by a multi-unit emissions cap to assure compliance with the caps. 30 Tex. Admin. Code § 116.715(c)(5)(A) and (B). Additionally, flexible permits with multi-unit emission caps “must include special conditions” that require monitoring methods that “accurately determine all emissions of . . . pollutants in terms of mass per unit of time.” *Id.* at § 116.715(d).

Phillips 66’s state-only major source flexible permit does not include such special conditions and therefore fails to assure compliance with the flexible permit’s multi-unit emission caps and Texas’s flexible permit program rules. Instead, the Flexible Permit requires Phillips 66

to develop recordkeeping programs *outside* of the permitting context that serve as a substitute for the monitoring special conditions required by Texas's flexible permit program rules:

Recordkeeping programs for those facilities authorized by the flexible permit shall be established and maintained such that the ability to demonstrate compliance with all authorized caps (short-term and annual) are ensured. Records of all compliance testing, CEM results, and process parameters necessary to demonstrate compliance with the emission rate caps shall be maintained on-site for a period of three years.

Flexible Permit, Special Condition No. 57.

Because these recordkeeping programs are applicable requirements and are necessary to assure compliance with multi-unit emission caps in the Flexible Permit as well as Texas's flexible permit program rules, they must be identified in Phillips 66's Title V permit application, included in the Proposed Permit, and they should have been available for review during the public comment period for the Draft Permit. Because the applicable monitoring programs were not incorporated into the Proposed Permit, the Proposed Permit is incomplete and fails to assure compliance with applicable requirements.

c. Permit No. 80799

Permit No. 80799 authorizes planned MSS emissions and activities at various facilities at the Borger Refinery, including facilities previously-authorized by and subject to emission limits in Phillips 66's PSD permits and Flexible Permit. These facilities, along with the relevant previously-issued permits, are listed in Permit No. 80799, Attachment D. Public Comments, Attachment 1.² The permit provides that, unless it establishes alternative limits, the planned MSS activities it authorizes may not cause emissions from the Borger Refinery to exceed existing limits for routine operation established by previously-issued permits. *Id.* at Special Condition No. 12.

² References to Permit No. 80799 special conditions and attachments are based on the version of the permit issued on September 12, 2011. While the Proposed Permit incorporates a later version of this permit, a copy of the most current special conditions was not available during the public comment period or the public petition period.

Permit No. 80799 does not establish alternative limits for units listed in Attachment D that are subject to emission limits established by Phillips 66's Flexible Permit and PSD permits. Accordingly, to ensure that additional planned MSS emissions authorized by Permit No. 80799 do not contribute to violations of applicable emission limits in Phillips 66's PSD permits and Flexible Permit, the Proposed Permit must specify monitoring methods for planned MSS activities at those previously permitted units. 42 U.S.C. § 7661c(a) and (c); 40 C.F.R. § 70.6(a) and (c). The Proposed Permit is deficient because it does not identify planned MSS monitoring methods that assure compliance with applicable emission limits in Phillips 66's PSD permits and Flexible Permit.

For example, Permit No. 80799, Special Condition No. 2 states that emissions from listed routine maintenance activities identified in permit Attachment B--related to valve and piping maintenance/replacement, pipeline pigging, compressor maintenance, maintenance on pumps, and heat exchanger maintenance—"shall be calculated using the number of work orders or equivalent that month and the emissions associated with that activity in the permit application." For other planned MSS activities, Permit No. 80799, Special Condition No. 2 states that "the emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice. Permit No. 80799, Special Condition No. 2(E). This special condition fails to assure compliance with hourly and annual emission limits in Phillips 66's PSD permits and Flexible Permit because (1) it does not identify specific monitoring methods and emissions calculation practices for planned MSS activity emissions that assure compliance with the applicable limits; (2) it does not identify the application(s) that contain the relevant information; and (3) the Executive Director has not explained how representations in Phillips 66's application(s) assure compliance with the applicable limits. *Granite City I Order* at 43.

4. Issues Raised in Public Comments

Petitioners raised these issues on pages 4-14 of their Public Comments.

5. Analysis of the State's Response

a. Permits by Rule

The Executive Director's Response to Comments provides a general account of how Texas's PBR program works and how PBRs are incorporated into the Texas Title V permits. Response to Comments at 12-14. The Executive Director, however, does not attempt to rebut Petitioners' demonstration that the Proposed Permit fails to specify monitoring and testing methods that assure compliance with applicable PBR emission limits and operating requirements. Accordingly, the Executive Director's response to comments is incomplete and the Administrator must object to the Proposed Permit.

While the Executive Director ignores the greater part of Petitioners' demonstration concerning the Proposed Permit's failure to assure compliance with PBR requirements, he does purport to address Petitioners' contention that the Proposed Permit is deficient because it fails to require records demonstrating compliance to be made available to the public. According to the Executive Director, such records are publicly available because "the Applicant must maintain a copy of the permit along with records containing the information and data (gathered through monitoring) sufficient to demonstrate compliance with the permit including PBRs, Standard Exemptions, and Standard Permits." *Id.* at 12-13. This response, however, does not actually address Petitioners' concern. Petitioners concede that Phillips 66 is required to maintain records demonstrating compliance with PBR requirements, but the Executive Director has not explained how the public may obtain such records maintained by a private entity.

The Executive Director does explain that members of the public may access copies of Phillips 66's compliance certifications. But permit compliance certifications, as the Response to Comments explains, only provide detailed information demonstrating *non-compliance*. *Id.* at 13. Thus, while permit compliance certifications may contain assertions that Phillips 66 is complying with various requirements, they do not include information *demonstrating* compliance with applicable PBR requirements. Because applicable requirements in the Proposed Permit are enforceable by the public, 40 C.F.R. § 70.6(c)(1), members of the public must be able to review and evaluate the information Phillips 66 relies on to certify compliance with such requirements. The Executive Director has not explained how members of the public may obtain this information nor has he identified any provision in the Proposed Permit or Texas's regulations that provides members of the public access to such information.

b. The Question of Whether the Proposed Permit Establishes Monitoring Requirements that Assure Compliance with NSR Emission Limits is Not Beyond the Scope of the Executive Director's Review for this Project

The Executive Director leads into his response to comments concerning the sufficiency of monitoring in Phillips 66's NSR permits with an argument that the sufficiency of monitoring requirements in Phillips 66's NSR permits is beyond the scope of this Title V permitting project:

The Texas FOP program, as approved by EPA, results in a permit that contains all applicable requirements in order to facilitate compliance and improve enforcement. Air permits authorizing construction or modification of facilities or that authorize emission increases and planned MSS emissions are issued under the authority of 30 TAC Chapter 116. The ED has determined that, in the case of NSR permits, it is more straightforward and beneficial to the public and the regulated community to include all relevant NSR related requirements, including sufficiency of monitoring, in those particular NSR authorizations. Therefore, the FOP does not authorize construction or modifications of facilities, nor does the FOP authorize emission increases or emissions from MSS activities. During processing of an FOP application, the ED will respond to all comments concerning the draft FOP that are received during the 30 day public comment period under 30 TAC Chapter 122. The NSR permitting process is a separate permitting process and determinations made during the NSR permitting process are not subject to re-review during the FOP

process. As such, the FOP process is not an opportunity to comment on the validity of other permitting processes, including NSR permits and the contents of such permits. In the case of NSR permits, the appropriate time to comment on NSR emission limits, terms and conditions is during the comment period for the specific authorization. The NSR permits are independent of the FOP and are inclusive of their own enforceable requirements, including monitoring, reporting, recordkeeping, and testing.

Response to Comments at 14-15.

While the Executive Director is correct that Texas implements separate NSR and Title V permitting programs, he has not explained why that fact places the sufficiency of monitoring in NSR permits beyond the scope of his Title V permit review process. *None* of the emission limits incorporated into the Proposed Permit were established as part of the Title V review process. Accordingly, if the Executive Director were correct that he only needed to evaluate the sufficiency of monitoring for applicable requirements established as part of the Title V permitting process, he would not need to undertake any monitoring review at all as part of the Title V permitting process.

But the Executive Director is not correct. As the D.C. Circuit Court of Appeals held, “Title V did more than require the compilation in a single document of existing emission limits, and monitoring requirements. It also mandated that each permit issued under Title V shall set forth monitoring requirements to assure compliance with the permit terms and conditions.” *Sierra Club*, 536 F.3d 674-75 (internal quotations and citations omitted). According to the Court, “this mandate means that a monitoring requirement insufficient to assure compliance with emission limits has no place in a permit unless and until it is supplemented by more rigorous standards.” *Id.* at 677. Operating requirements and emission limits in NSR permits authorizing construction of equipment at the Borger Refinery are applicable requirements for purposes of the Executive Director’s Title V review. 30 Tex. Admin. Code § 122.10(2)(H). The Clean Air Act, EPA’s Title V regulations, and Texas’s federally-approved Title V permitting rules each require that Title V permits issued

by the TCEQ include monitoring sufficient to assure compliance with *all* applicable requirements. 42 U.S.C. § 7661c(a) and (c); 40 C.F.R. § 70.6(a)(3) and (c)(1); 30 Tex. Admin. Code § 122.142(c). The Executive Director's claim that this obligation does not extend to applicable requirements in NSR permits is incorrect because it is contrary to the clear language of the Act and applicable regulations.

c. Flexible Permit No. 9868A

Petitioners demonstrated that the Proposed Permit is deficient because it fails to establish special conditions with monitoring and emission calculation methods for each category of unit covered by a multi-unit emission cap in Phillips 66's Flexible Permit that 1) assures compliance with the cap and 2) yields accurate information about the amount of pollution each such unit emits in terms of mass per unit of time, as expressly required by Texas's flexible permit program rules. 30 Tex. Admin. Code § 116.715(c)(5) and (d).

The Executive Director does not dispute that the Flexible Permit omits information about how Phillips 66 must calculate emissions from its units to demonstrate compliance with Flexible Permit multi-unit emission caps. Instead, the Executive Director denies that Texas flexible permits must include special conditions that explain how emissions from units at the Borger Refinery must be calculated:

NSR Permit 9868A/PSDTX102M7, which is attached to Appendix B of FOP O1440, contains recordkeeping sufficient to demonstrate compliance with the emission caps of the permit. This recordkeeping is identified both on the permit face and in Special Conditions 57-58. The application representations that describe the calculation methodology for the emissions are not required to be listed in the NSR permit document itself since it would be impractical to include those extensive calculations in that document. As a point of comparison, the recently requested amendment application package to convert 9868A/PSDTX102M7 to a SIP approved 30 TAC 116, Subchapter G permit was contained in three folders, sum totaling six inches in document height. The greater share of the application package contains calculation methodology for those short and long term emissions, which would be summarized in the maximum allowable emission rates tables (MAERT)

in the permit. Please note, however, that General Condition 1 of the permit face of 9868A/PSDTX1027M7 also specifically states, “Facilities covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued.” As such, all calculation methodologies are contained within the flexible permit application package and are conditions upon which the permit is issued. The NSR permitting files are located in the TCEQ Central File Room and some are becoming electronically available through the TCEQ public documents websites describe in footnote 1.

Response to Comments at 15.

There are several problems with this response. First, the Executive Director’s claim that “application representations that describe the calculation methodology for the emissions are not required to be listed in the NSR permit document itself” is directly rebutted by Texas’s flexible permit program rules: “Each flexible permit *shall specify methods for calculating annual and short term emissions* for each pollutant for a given type of facility.” 30 Tex. Admin. Code § 116.715(c)(5)(B) (emphasis added). While Petitioners understand that including calculation methodologies for each type of equipment at the Borger Refinery may be burdensome, that difficulty is the result of the Executive Director’s improper issuance of a *minor source* flexible permit to a *major source* and not an indication that Petitioners’ demonstration lacks merit.

Second, the Executive Director suggests that information about how Phillips 66 calculates emissions to demonstrate compliance with multi-unit Flexible Permit caps is found in Phillips 66’s Flexible Permit applications. The Flexible Permit, however, directs Phillips 66 to develop “[r]ecordkeeping programs for those facilities authorized by the flexible permit . . . such that the ability to demonstrate compliance with all authorized caps . . . are [sic] ensured.” Flexible Permit, Special Condition No. 57. This special condition does not require Phillips 66 to submit an application to the Executive Director identifying applicable emission calculation methods and does not require Phillips 66 to develop a recordkeeping program that uses calculation methodologies

included in its Flexible Permit application. Thus, Phillips 66's application files do not necessarily include information about the calculation methodologies that assure compliance with multi-unit emission caps in the Flexible Permit.

Finally, the pending application that the Executive Director points to in support of his contention that including calculation methodologies on the face of the Flexible Permit is impractical is a *pending* application and therefore does not necessarily contain currently enforceable representations. The TCEQ's rule at § 116.116(a) provides that application representations are "the conditions upon which a permit . . . [is] issued." Because the permit requested by the application has not yet been issued and incorporated into the Proposed Permit, representations in the pending application are not yet binding. The Executive Director does not identify which application(s), if any, contain currently enforceable representations regarding the methods Phillips 66 must use to assure compliance with multi-unit emission caps in the Flexible Permit.

d. Permit No. 80799

Permit No. 80799 authorizes new emissions—emissions during planned MSS activities—from units previously authorized by Phillips 66's PSD permits and Flexible Permit while requiring Phillips 66 to accommodate the new emissions under existing limits and emission caps established by the Company's PSD permits and Flexible Permit. Petitioners demonstrated that the Proposed Permit is deficient because (1) it does not identify monitoring methods that assure new emissions authorized by Permit No. 80799 from units subject to limits in Phillips 66's PSD permits and Flexible Permit are maintained under the applicable emission limits and caps established by those permits; and (2) it does not identify monitoring for units authorized by the Flexible Permit that is

capable of determining planned MSS emissions in terms of pounds per unit of time, as required by Texas's flexible permit program rules.

The Executive Director responds:

The ED disagrees with the Commenter's statement that Special Conditions listed in Permit No. 80799 must identify "specific" method(s) to calculate MSS emissions that assure compliance with applicable emission limits. MSS related requirements are stated in Special Conditions 2, 3, 6, 9, 11, 12, and 13 of Permit No. 80799. The Proposed Permit, including Permit No 80799, provides operational flexibility to the Applicant while ensuring compliance with applicable emission limits. Specifically, general Condition 6 in Permit No. 80799 states that, "the permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit." In addition, Part 3 of the Permit Compliance Certification (PCC) Form (TCEQ 10490) requires the Applicant to list the selected Monitoring Option for each emission unit. These requirements assure compliance with the applicable requirements of the Proposed Permit and Permit No. 80799.

Response to Comments at 23.

This response does not rebut Petitioners' demonstration, because (1) the Executive Director has not identified the monitoring conditions in Permit No. 80799 or in Phillips 66's PSD permits and Flexible Permit that ensure that planned MSS emissions authorized by Permit No. 80799 for units previously authorized by Phillips 66's PSD permits and Flexible Permit will not cause violations of the applicable limits in those permits; and (2) the Executive Director has not identified the monitoring method(s) capable of determining planned MSS emissions from units authorized by Phillips 66's Flexible Permit in terms of pounds per unit of time, as required by Texas's flexible permit program rules.

While the Executive Director's response identifies "MSS related requirements" in Permit No. 80799, which are intended to assure compliance with BACT requirements for planned MSS activities as well as the emission limits listed in the MAERT for Permit No. 80799, the Executive

Director has not identified the special conditions that assure compliance with applicable emission limits in Phillips 66's PSD permits and Flexible Permit, nor has he explained how the MSS related requirements in Permit No. 80799 are sufficient to assure compliance with emission limits in other permits affected by Permit No. 80799.

The Executive Director's response to Petitioners demonstration that the Proposed Permit fails to include monitoring, testing, and recordkeeping requirements that assure compliance with emission limits and operating requirements in Phillips 66's NSR permits, including PBRs and Standard Permits, is incomplete and incorrect. Accordingly, the Administrator must object to the Proposed Permit.

C. The Proposed Permit Fails to Incorporate Phillips 66's Certified PBR Registrations as Applicable Requirements

1. Specific Grounds for Objection, Including Citation to Permit Term

The Proposed Permit is deficient because it omits source-specific applicable requirements for the Borger Refinery. Texas's rule at 30 Texas Administrative Code § 106.6 allows operators to certify emission rates for PBR projects that are more stringent than the generic limits established by Texas's general PBR rule at § 106.4(a)(1). Certified PBR emission rates and representations in a certified PBR registration are federally enforceable requirements. 30 Tex. Admin. Code § 106.6(a) ("An owner or operator may certify and register the maximum emission rates from facilities permitted by rule . . . in order to establish federally-enforceable emission rates which are below the limitations in § 106.4 of this title[.]"). Phillips 66 has certified the following source-specific emission rates for units authorized by PBR at the Borger Refinery:³

³ TCEQ certification letters for each of these registrations are included in Public Comments, Attachment 2.

Certified PBR Registration 112249, PBR 106.478

EPN / Emission Source	VOC		Benzene	
	lbs/hr	tpy	lbs/hr	tpy
2674/Internal Floating Roof Tank	0.66	1.97	<0.01	0.01
F-2674/Fugitive Emissions	0.03	0.15	<0.01	<0.01
TOTAL EMISSIONS:		2.11		0.01

Certified PBR Registration 107921, PBR 106.261

EPN / Emission Source	VOC	
	lbs/hr	tpy
F-19-1-a/Unit 19.1 Fugitives	0.02	0.09
T-2575/ Tank 2575	0.14	0.25
T-5599/Tank 5599	0.14	0.25
TOTAL EMISSIONS:		0.59

Certified PBR Registration 114364, PBRs 106.261, 106.263, 106.478

EPN / Emission Source	VOC	
	lbs/hr	tpy
5589/External Floating Roof Tank	1.93	
5590/External Floating Roof Tank	1.90	0.58
5600/External Floating Roof Tank	1.93	0.59
F-KD Tanks/Fugitive Emissions	0.21	0.93
5589/External Floating Roof Tank MSS	3.54	0.02
5590/External Floating Roof Tank MSS		0.02
5600/External Floating Roof Tank MSS		0.02
TOTAL EMISSIONS:		2.75

Certified PBR Registration 115785, PBR 106.512

EPN / Emission Source	VOC		NO _x		CO		PM ₁₀		PM _{2.5}		SO ₂		HCHO	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
A-1 / Engine	0.66	1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
A-2 / Engine	0.66	1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
A-3 / Engine	0.66	1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
A-4 / Engine	0.66	1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
Total		4.24		5.08		12		0.24		0.24		<0.01		1.20

Certified PBR Registration 90182, PBR 106.261

EPN / Emission Source	VOC	
	lbs/hr	Tpy
Various		3.96
TOTAL EMISSIONS:		3.96

Certified PBR Registration 98518, PBRs 106.261, 106.262

EPN / Emission Source	VOC		H ₂ S	
	lbs/hr	tpy	lbs/hr	tpy
Coker Unit Sour Gas Coalescer		0.08		0.05
TOTAL EMISSIONS:		0.08		0.05

Certified PBR Registration 102757, PBR 106.261

EPN / Emission Source	PM ₁₀		PM _{2.5}	
	lbs/hr	tpy	lbs/hr	tpy
Temporary Conveyor		0.21		0.03
TOTAL EMISSIONS:		0.21		0.03

Certified PBR Registration 106066, PBR 106.261

EPN / Emission Source	VOC	
	lbs/hr	tpy
F-22-VGA/Vapor Gas Absorber Fugitives	0.22	0.98
TOTAL EMISSIONS:	0.22	0.98

Certified PBR Registration 131269, PBR 106.371

EPN / Emission Source	VOC		PM ₁₀		PM _{2.5}	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
Cooling Towers	1.51	6.62	0.59	2.60	0.59	2.60
TOTAL EMISSIONS:	1.51	6.62	0.59	2.60	0.59	2.60

Certified PBR Registration 114332, PBR 106.261, 106.262

EPN / Emission Source	VOC		H ₂ S	
	lbs/hr	tpy	lbs/hr	tpy
F-82/Unit 82 Fugitives	0.03	0.14	<0.01	0.02
TOTAL EMISSIONS:		0.14		0.02

Certified PBR Registration 114364, PBRs 106.261, 106.263, 106.478

EPN / Emission Source	VOC	
	lbs/hr	tpy
Tank 5589-Routine Operation	1.93	0.59
Tank 5590-Routine Operation	1.90	0.58
F-KD Tanks Fugitives	0.20	0.86
Tank 5589-MSS	3.54	0.03
Tank 5590-MSS		
TOTAL EMISSIONS:		2.07

Certified PBR Registration 114429, PBR 106.478

EPN / Emission Source	VOC		Benzene	
	lbs/hr	tpy	lbs/hr	tpy
Tank 5532/EFR	6.49	21.05	0.04	0.13
TOTAL EMISSIONS:		21.05		0.13

Certified PBR Registration 99345, PBR 106.261

EPN / Emission Source	VOC	
	lbs/hr	tpy
Feed Filtration System, Unit 42 GOHDS		0.84
TOTAL EMISSIONS:		0.84

Certified PBR Registration 99365, PBR 106.261

EPN / Emission Source	VOC	
	lbs/hr	tpy
Fuel Gas Dehydration Project		0.71
TOTAL EMISSIONS:		0.71

Certified PBR Registration 99373, PBR 106.261

EPN / Emission Source	VOC	
	lbs/hr	tpy
Skelly-Belvieu Pipeline Project		1.69
TOTAL EMISSIONS:		1.69

Certified PBR Registration 129637, PBR 106.512

EPN / Emission Source	VOC		NO _x		CO		PM _{10/2.5}		SO ₂	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
ENG-SC1 / 440-hp Caterpillar Model C15 ACERT Engine	0.37	1.64	3.07	13.45	2.53	11.09	0.14	0.63	0.16	0.70
Total Emissions	0.37	1.64	3.07	13.45	2.53	11.09	0.14	0.63	0.16	0.70

Certified PBR Registration 96328, PBR 106.261

EPN / Emission Source	VOC	
	lbs/hr	tpy
Refined Petroleum Fractions		0.94
TOTAL EMISSIONS:		0.94

Certified PBR Registration 119377, PBRs 106.261, 106.262

EPN / Emission Source	VOC	
	lbs/hr	tpy
F11/Amine Flash Drum Fugitives	0.10	0.46
F-34/Amine Flash Drum Fugitives	0.22	0.97
TOTAL EMISSIONS:		1.43

Certified PBR Registration 95901, PBRs 106.261, 106.262

EPN / Emission Source	VOC		Organic & Inorganic Fluorides	
	lbs/hr	tpy	lbs/hr	tpy
U22 Defluorination Project		0.30		<0.001
TOTAL EMISSIONS:		0.30		<0.001

The Proposed Permit, however, does not contain any condition or table that identifies Phillips 66’s certified PBR registrations or the source-specific emission limits that they establish as applicable requirements.

2. Applicable Requirement or Part 70 Requirement Not Met

Title V permits must include and assure compliance with all applicable requirements. 42 U.S.C. § 7661c(a) and (c); 40 C.F.R. § 70.6(a) and (c). “Applicable requirements” include certified PBR registrations. 30 Tex. Admin. Code § 122.10(2)(H).

The Borger Refinery is a major source of air pollution located in an area categorized as in attainment or unclassifiable with respect to each NSR pollutant. Accordingly, Phillips 66 is required to conduct netting to determine major NSR applicability for any construction project at the Borger Refinery that has the potential to increase emissions of any NSR pollutant beyond the significance thresholds listed at 40 C.F.R. § 52.21(b)(23). 30 Tex. Admin. Code § 116.160(b)(1).

As explained below, the Proposed Permit directly violates Title V requirements because it fails to incorporate Phillips 66’s certified PBR registrations, which are applicable requirements. The Proposed Permit’s failure to incorporate Phillips 66’s certified PBR registrations undermines the enforceability of major NSR preconstruction permitting requirements, because it renders emission limits established to prevent major NSR preconstruction permitting requirements from being triggered not practicably enforceable.

3. Inadequacy of the Permit Term

a. The Proposed Permit Fails to Include All Applicable Requirements

While the Proposed Permit incorporates by reference the TCEQ's general PBR rules and identifies various PBRs claimed by Phillips 66, it does not indicate that Phillips 66 has certified emission rates lower than those established by Texas's PBR rules, incorporate the applicable source-specific emission limits established by applicable certified PBR registrations, explain which units are subject to source-specific certified PBR limits, or specify how compliance with these source-specific limits is assured. The Proposed Permit is deficient because it fails to identify and assure compliance with applicable source-specific emission limits established through the PBR certification process. 42 U.S.C. § 7661c(a) and (c); 40 C.F.R. 70.6(a) and (c).

b. The Proposed Permit Does Not Assure Compliance with Major New Source Review Requirements

Texas's general PBR requirements provide that facilities authorized by PBR may emit NO_x, CO, Pb, Fluorides, H₂SO₄, H₂S, and TRS at levels that exceed the applicable netting thresholds. *Compare* emission limits established by 30 Tex. Admin. Code § 106.4(a)(1) and significant thresholds at § 116.160(b)(1). In addition, cumulative potential VOC, SO₂, PM, PM₁₀, and PM_{2.5} increases from multiple PBR submissions authorizing changes to various facilities related to the same project may trigger netting requirements. Phillips 66 has certified PBR emission limits lower than the limits in TCEQ's general PBR rules to avoid netting requirements that would otherwise be triggered by potential emission increases for PBR projects subject to § 106.4(a)(1) general limits. Public Comments, Attachment 2.

Emission limits in Phillips 66's certified PBR registrations cannot effectively relieve the Company of its obligation to net out of major NSR preconstruction permitting requirements unless they are federally and practicably enforceable. *Guidance on Enforceability Requirements for*

Limiting Potential to Emit through SIP and § 112 Rules and General Permits, Katie A. Stein, Director, EPA Air Enforcement Division (“Enforceability Guidance”) (January 25, 1995).

The Proposed Permit’s omission of Phillips 66’s certified PBR registrations renders it deficient, because emission limits that are not incorporated into Phillips 66’s Title V permit are not practicably enforceable. Instead, the only practicably enforceable limits for certified PBR projects are those listed at § 106.4(a)(1) and the incorporated PBRs, which are not low enough to prevent major NSR netting requirements from being triggered.

4. Issue Raised in Public Comments

Petitioners raised this issue on pages 18-21 of their Public Comments. Copies of Phillips 66’s certified PBR registrations are included in Public Comments, Attachment 2.

5. Analysis of State’s Response

The Executive Director provides a general account of how the State’s PBR permitting program works, Response to Comments at 13-14, and denies that PBRs may be used to circumvent major NSR requirements, *Id.* at 29, but he does not address Petitioners’ contention that the Proposed Permit is deficient because it omits Phillips 66’s source-specific certified PBR registrations. The Executive Director’s response is therefore incomplete and the Administrator must object to the Proposed Permit.

The Executive Director’s attempt to rebut Petitioners’ demonstration that the Proposed Permit’s failure to incorporate source-specific emission limits in certified PBR registrations that Phillips 66 relies on to avoid triggering major NSR requirements is incomplete. According to the Executive Director, Phillips 66 may not use PBRs to authorize emission increases that trigger major NSR requirements because Texas’s PBR rules require Phillips 66 to ensure that any applicable netting requirements have been satisfied and to maintain records demonstrating

compliance with PBR requirements. *Id.* Petitioners agree that Phillips 66 may not use a PBRs to circumvent applicable major NSR requirements without violating the SIP. That, however, is not the issue Petitioners raised. Petitioners contend that the Proposed Permit's failure to incorporate source-specific emission limits established to prevent projects at the Borger Refinery from triggering major NSR netting requirements renders those limits not practicably enforceable. Because source-specific emission limits that the TCEQ relies upon to ensure that projects at the Borger Refinery do not trigger major NSR requirements are not practicably enforceable, members of the public, regulators, and judges are left without a clear way to determine whether violations of major NSR requirements have occurred and to demonstrate non-compliance with such requirements. Title V permits must include conditions necessary to assure compliance with all applicable requirements. 42 U.S.C. § 7661c(a). Major NSR netting and preconstruction permitting requirements are applicable requirements for the Borger Refinery. The Proposed Permit's failure to incorporate limits that Phillips 66 relies upon to demonstrate that projects at the Borger Refinery have not triggered major NSR requirements undermines the enforceability of those requirements. Accordingly, the Proposed Permit is deficient. The Executive Director's Response to Comments does not address this demonstration of deficiency. Accordingly, the Executive Director's response to comments is incomplete and the Administrator must object to the Proposed Permit.

D. The Proposed Permit Fails to Assure Compliance with Requirements in Permit No. 80799

1. Specific Grounds for Objection, Including Citation to Permit Term

The Proposed Permit is deficient because it fails to identify any emission unit at the Borger Refinery that is subject to requirements in Permit No. 80799, which the Proposed Permit incorporates by reference.

Proposed Permit, Special Condition No. 17 provides that requirements in NSR permits listed in the Proposed Permit's New Source Review Authorization References attachment are applicable requirements of the Proposed Permit. The Proposed Permit's New Source Review Authorization References attachment lists Permit No. 80799 as an incorporated permit. Proposed Permit at 280. The Proposed Permit's New Source Review Authorization References by Emission Unit attachment, however, indicates that none of the emission units at permitted source are subject to requirements in Permit No. 80799. *Id.* at 281-297.

2. Applicable Requirement or Part 70 Requirement Not Met

Each Title V permit must include all applicable requirements and conditions necessary to assure compliance with each such requirement. 42 U.S.C. § 7661c(a) and (c). Where a Title V permit incorporates by reference an applicable requirement, the Title V permit must unambiguously describe how the incorporated requirement applies to emission units at the Title V source. *White Paper 2* at 37 (“Any information . . . incorporated by reference must be accompanied by a description or identification of the current activities, requirements, or equipment for which the information is referenced.”). A Title V permit that fails to explain how an incorporated applicable requirement applies to emission units at the permitted source is deficient. 40 C.F.R. § 70.6(a)(1); *Deer Park Order* at 14 (objecting to Title V permits because “Petitioners demonstrated that the permit records did not establish what emission units” applicable permits “apply to.”).

3. Inadequacy of the Permit Term

Permit No. 80799 authorizes planned MSS activities and emissions at the Borger Refinery. Such activities and emissions are authorized for many units subject to requirements in previously issued permits. *See*, Public Comments, Attachment 1 (Permit No. 80799), Attachment 1 (Facility list). The Proposed Permit, however, does not include any information about applicable requirements in Permit No. 80799 and instead incorporates the permit by reference in its entirety.

While the Proposed Permit's New Source Review Authorization References by Emissions Unit attachment identifies units subject to requirements in various other NSR permits issued for the Borger Refinery, it does not identify any unit as subject to requirements in Permit No. 80799. Proposed Permit at 281-297. Accordingly, the Proposed Permit is deficient because it is completely opaque as to how requirements in Permit No. 80799 apply to units at the Borger Refinery. 42 U.S.C. § 7661c(a) and (c); 40 C.F.R. § 70.6(a) and (c); *Deer Park Order* at 11-17.

Similarly, the Proposed Permit's New Source Review Authorization References by Emissions Unit attachment is incomplete because it omits the following facilities and/or emission points authorized by and subject to regulation under Permit No. 80799: 66FL4, MSS-VAC, MSS-AIRMOVERS, MSS-BLAST, MSS-FRAC, MSS-VES, MSS-MAINTACT, MSS-EQP, MISC-MSS, MSS-DRAINING, MSS-CHEM, MSS-TANK, F-68-4A, F-68-4B, F-68-4C, F-68-4D, F-68-4E, F-68-4F, F-68-4G, and F-68-4H. Public Comments, Attachment 1, MAERT. Because the Proposed Permit fails to identify these facilities and/or emission points as part of the Title V source covered by the Proposed Permit, it also fails to put readers on notice that incorporated requirements in Permit No. 80799 apply to these units. Because this is so, the Proposed Permit does not identify and assure compliance with all applicable requirements.

4. Issues Raised in Public Comments

Petitioners raised this issue on page 23 of their Public Comments.

5. Analysis of State's Response

The Executive Director makes the following response to Petitioners' demonstration that the Proposed Permit fails to explain how requirements in Permit No. 80799 apply to emission units at the Borger Refinery:

The MSS requirements are part of the underlying NSR permit and have no additional unique MSS requirements listed in the FOP other than by incorporation

of the underlying NSR authorization in the FOP. The only exception would be if either a federally enforceable rule or a State SIP requirement included an MSS applicable requirement unique to that specific rule.

Response to Comments at 31.

Despite diligent efforts to make heads or tails of this response, Petitioners have come up empty. Whatever this paragraph might mean, it does not rebut Petitioners' demonstration that the Proposed Permit (1) fails to identify a single emission unit subject to requirements in Permit No. 80799; and (2) that the Proposed Permit fails to identify several emission points and/or facilities authorized by Permit No. 80799 as part of the Title V source subject to requirements in the Proposed Permit. Accordingly, the Executive Director's response to comments is incomplete and the Administrator must object to the Proposed Permit.

V. CONCLUSION

For the foregoing reasons, and as explained in Petitioners' timely-filed public comments, the Proposed Permit is deficient. The Executive Director's Response to Comments also failed to address Commenters' significant comments. Accordingly, the Clean Air Act requires the Administrator to object to the Proposed Permit.

Sincerely,

/s/ Gabriel Clark-Leach
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EXHIBIT A

Draft Permit No. O1440

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Phillips 66 Company

AUTHORIZING THE OPERATION OF
Borger Refinery
Petroleum Refining

LOCATED AT
Hutchinson County, Texas
Latitude 35° 41' 50" Longitude 101° 22' 4"
Regulated Entity Number: RN102495884

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: O1440 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. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart G, H, CC, UUU, ZZZZ and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.120, §113.130, §113.340, §113.780, §113.1090, and §113.1130, which incorporate the 40 CFR Part 63 Subparts by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

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

required value does not constitute creation of an alternative fuel.

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

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

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

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

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

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

(4) Compliance Certification:

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

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

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

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

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

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- F. 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)
- G. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
 - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
 - (ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:
 - A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)
 - B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)
 - C. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)
 - D. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)
 - E. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)
 - F. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - G. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - H. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems
 - I. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment

- J. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems
 - K. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
 - L. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems
 - M. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
7. 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(e)(1) (relating to Standards: General)
 - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)
 - D. Title 40 CFR § 61.342(g) (relating to Standards: General)

- E. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
 - F. 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)
 - G. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
 - H. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
 - I. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
 - J. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
 - K. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
 - L. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
 - M. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
8. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
 - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
 - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
9. 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
10. 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.

11. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).
12. For the chemical manufacturing facilities subject to transfer operations requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
 - A. Title 40 CFR § 63.126(e)(1) - (2), and (f) (relating to Transfer Operations Provisions Reference Control Technology)
 - B. Title 40 CFR § 63.128(f)(1) - (2) (relating to Transfer Operations Provisions - Test Methods and Procedures)
 - C. Title 40 CFR § 63.130(e) (relating to Transfer Operations Provisions - Periodic Recordkeeping and Reporting)
13. For sources subject to emission standards in 40 CFR Part 63, Subpart CC, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.340 incorporated by reference):
 - A. Title 40 CFR § 63.640(l)(3) - (4) (relating to Applicability and Designation of Affected Source), for units and equipment added to an existing source
 - B. Title 40 CFR § 63.640(m)(1) - (2) (relating to Applicability and Designation of Affected Source), for units and emission points changing from Group 2 to Group 1 status
 - C. Title 40 CFR § 63.642(c) (relating to General Standards), for applicability of the General Provisions of Subpart A
 - D. Title 40 CFR § 63.642(e) (relating to General Standards), for recordkeeping
 - E. Title 40 CFR § 63.642(f) (relating to General Standards), for reporting
 - F. Group 1 process wastewater streams not managed in a wastewater management unit subject to 40 CFR Part 63, Subpart G shall comply with 40 CFR Part 61, Subpart FF as specified in 40 CFR §§ 63.647(a) - (c) and 63.655(a)
14. The permit holder shall comply with the requirement to prepare and implement an Operations and Maintenance plan in accordance with 40 CFR Part 63, Subpart UUU, § 63.1574(f) (Title 30 TAC Chapter 113, Subchapter C, § 113.780 incorporated by reference).

Additional Monitoring Requirements

15. 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. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
16. 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

17. 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 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
18. 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.
19. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
20. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
 - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

- C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.
21. The permit holder shall comply with the following requirements for flexible permits of 30 TAC Chapter 116:
- A. Title 30 TAC § 116.715 (relating to General and Special Conditions)
 - B. Title 30 TAC § 116.716 (relating to Emission Caps and Individual Emission Limitations)
 - C. Title 30 TAC § 116.717 (relating to Implementation Schedule for Additional Controls)
 - D. Title 30 TAC § 116.718 (relating to Significant Emission Increase)
 - E. Title 30 TAC § 116.720 (relating to Limitation on Physical and Operational Changes)
 - F. Title 30 TAC § 116.721(a) (relating to requirements for Amendments and Alterations)

Compliance Requirements

22. 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.
23. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

- (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
- (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
- (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
- (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

- 24. 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

- 25. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
 - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
 - B. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Permit Location

26. 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)

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 20

Applicable Requirements Summary 43

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
0111	STORAGE TANKS/VESSELS	N/A	60Ka	40 CFR Part 60, Subpart Ka	No changing attributes.
0202	STORAGE TANKS/VESSELS	N/A	60Ka	40 CFR Part 60, Subpart Ka	No changing attributes.
0202	STORAGE TANKS/VESSELS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
0401	STORAGE TANKS/VESSELS	N/A	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
1025	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
1025	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
10H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
1165	STORAGE TANKS/VESSELS	N/A	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
1165	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
12E1	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E2	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E3	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
12E4	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E5	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E6	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E7	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
19B1-H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
19B1-H2#2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
19B1-H2#3	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
19B2-H4	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
19H3	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
19H5#1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
19H5#2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
19H6	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
22H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
2510	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
2579	STORAGE TANKS/VESSELS	N/A	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
2579	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
2580	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
25H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
25V1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-B	30 TAC Chapter 111, Visible Emissions	No changing attributes.
25V1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
2673	STORAGE TANKS/VESSELS	N/A	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
2673	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
26H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
28H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
29H4	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
29P1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
29P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FLUID	40 CFR Part 60, Subpart J	No changing attributes.
29P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-1	40 CFR Part 63, Subpart UUU	No changing attributes.
2H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
2H2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
3001	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
3002	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
3003	STORAGE TANKS/VESSELS	N/A	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
3003	STORAGE TANKS/VESSELS	N/A	61FF-STORE	40 CFR Part 61, Subpart FF	No changing attributes.
34I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-SRU	40 CFR Part 60, Subpart J	No changing attributes.
34I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-2	40 CFR Part 63, Subpart UUU	No changing attributes.
36H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
40H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
40P1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
40P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FLUID	40 CFR Part 60, Subpart J	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
40P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-1	40 CFR Part 63, Subpart UUU	No changing attributes.
42H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
42H2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
42H3	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
43I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-SRU	40 CFR Part 60, Subpart J	No changing attributes.
43I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-2	40 CFR Part 63, Subpart UUU	No changing attributes.
45V1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
45V2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
4H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
4H2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
50H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
50HT1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
50HT2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
50HT3	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
51H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
5556	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
5H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
5H2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
5H3	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
66FL1	FLARES	N/A	111.111FLARE	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
66FL1	FLARES	N/A	60.18-FLARE	40 CFR Part 60, Subpart A	No changing attributes.
66FL1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL1	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FL12	FLARES	N/A	111.111FLARE	30 TAC Chapter 111, Visible Emissions	No changing attributes.
66FL12	FLARES	N/A	60.18 FLARE	40 CFR Part 60, Subpart A	No changing attributes.
66FL12	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL12	FLARES	N/A	63H-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FL13	FLARES	N/A	60.18 FLARE	40 CFR Part 60, Subpart A	No changing attributes.
66FL13	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL13	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
66FL2	FLARES	N/A	111.111FLARE	30 TAC Chapter 111, Visible Emissions	No changing attributes.
66FL2	FLARES	N/A	60.18-FLARE	40 CFR Part 60, Subpart A	No changing attributes.
66FL2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL2	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FL3	FLARES	N/A	111.111FLARE	30 TAC Chapter 111, Visible Emissions	No changing attributes.
66FL3	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL3	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FLH1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
66FLH12	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
66FLH2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
66FLH3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
6H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
6H3	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
7E1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E3	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E4	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E5	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E6	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
7H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
7H2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
7H3	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
7H4	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
8001	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
81B17	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
85B2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111-FVent	30 TAC Chapter 111, Visible Emissions	No changing attributes.
85B2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-1	40 CFR Part 60, Subpart Db	No changing attributes.
85B2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
98H1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
98H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
9H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
BLR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-1	40 CFR Part 60, Subpart Db	D-Series Fuel Type #1 = Natural gas.
BLR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-2	40 CFR Part 60, Subpart Db	D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.
BLR12	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-FUEL	40 CFR Part 60, Subpart Ja	No changing attributes.
BLR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
Do11	STORAGE TANKS/VESSELS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
Do11	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
ENG-SC-1	SRIC ENGINES	N/A	60III-3	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SC-1	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD1	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD1	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD2	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD2	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD3	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD3	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD4	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD4	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD5	SRIC ENGINES	N/A	60III-2	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD5	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-11	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-11	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
F-1-6-PB	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-19-1	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-19-1	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-19-2	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-19-2	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-19-3	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes
F-19-3	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-2	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-2	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-2-1	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-2-1	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-4	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-4	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
F-5	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-5	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-53-2	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-6	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-66-3	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-66-FG	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-67	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-67	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
F-68-1S	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-68-2N	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-68-3	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-68-4TA	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-6-B	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-7	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-7	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
F-81	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
FGR-FUG	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
FWP1	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP2	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP3	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP4	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FWP5	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-CCHFUG	FUGITIVE EMISSION UNITS	F-10, F-28, F-32, F-36, F-9	63CCH-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-CC-ToA	STORAGE TANKS/VESSELS	0109, 0110, 0552, 0558, 1067, 2571, 2572, 2578, 2670, 2671, 2672, 2674, 2675, 2676, 2677, 2678, 5508, 5511, 5525, 5536, 5537, 5538, 5539, 5540, 5541, 5542, 5543, 5544, 5545, 5546, 5548, 5587, 5588, 5589, 5590, 5598, 8011, 8012, 8013, 8015, 8033, 9200, 9504	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-CC-ToC	STORAGE TANKS/VESSELS	9700, 9701, 9702	60Ka	40 CFR Part 60, Subpart Ka	No changing attributes.
GRP-CC-ToD	STORAGE TANKS/VESSELS	5531, 5596, 9202	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-CCVVFUG	FUGITIVE EMISSION UNITS	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F-2-5, F-26, F-29, F-34, F-35, F-40, F-41, F-42, F-43, F-44, F-50, F-51, F-53-1, F-56, F-66-1, F-66-2, F-68-1A, F-68-1E, F-68-1N, F-68-1R, F-68-1T, F-68-1W, F-68-2S, F-68-4N, F-68-4T, F-68-5, F-6-A, F-98, SGC-FUG	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-EBCENG	SRIC ENGINES	ENG-EB1, ENG-EB2, ENG-EB3, ENG-EB4, ENG-EB5, ENG-EB6, ENG-EB7, ENG-EB8, ENG-EB9	60IIII-3	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-EBCENG	SRIC ENGINES	ENG-EB1, ENG-EB2, ENG-EB3, ENG-EB4, ENG-EB5, ENG-EB6, ENG-EB7, ENG-EB8, ENG-EB9	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-FF-T3A	STORAGE TANKS/VESSELS	UF17, VF02, VF03, VF04	61FF	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
GRP-FF-T3A	STORAGE TANKS/VESSELS	UF17, VF02, VF03, VF04	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-FF-T3B	STORAGE TANKS/VESSELS	DD21, HG86	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
GRP-FF-T5A	STORAGE TANKS/VESSELS	VG49, VG50	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
GRP-KB-ECC	STORAGE TANKS/VESSELS	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-ECC	STORAGE TANKS/VESSELS	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T1A	STORAGE TANKS/VESSELS	1003, 1004, 1006, 1007	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T1C	STORAGE TANKS/VESSELS	2072, 2577, 5520, 8031	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T1C	STORAGE TANKS/VESSELS	2072, 2577, 5520, 8031	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T2A	STORAGE TANKS/VESSELS	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-KB-T2A	STORAGE TANKS/VESSELS	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T2B	STORAGE TANKS/VESSELS	0512, 1011, 1164, 1522, 2552, 2553, 2575, 5559, 5560	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T2C	STORAGE TANKS/VESSELS	5591, 8010, 8014, 9201	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T2C	STORAGE TANKS/VESSELS	5591, 8010, 8014, 9201	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T3B	STORAGE TANKS/VESSELS	1012, 1013	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T3B	STORAGE TANKS/VESSELS	1012, 1013	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-TK3	STORAGE TANKS/VESSELS	0572, 0573	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-LOAD	LOADING/UNLOADIN G OPERATIONS	53R3, 53R4, 53T2	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-QQQ-T4	STORAGE TANKS/VESSELS	9600, 9601	60QQQ	40 CFR Part 60, Subpart QQQ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-QQQ-T4	STORAGE TANKS/VESSELS	9600, 9601	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-RFUEL	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	10H1, 12H1, 19B1/19H1, 19B1- H2#2, 19B2-H4, 19H3, 19H5#1, 19H5#2, 19H6, 22H1, 25H1, 26H1, 28H1, 29H4, 2H1, 2H2, 36H1, 40H1, 41H1, 42H1, 42H2, 42H3, 4H1, 4H2, 50H1, 50HT1, 50HT2, 50HT3, 51H1, 5H1, 5H2, 5H3, 6H1, 6H3, 7H1, 7H2, 7H3, 7H4, 81B17, 9H1	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
GRP-TANK	STORAGE TANKS/VESSELS	8035, 8036, 8037, 9400, 9401	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-V100	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	41H1, 81B17, BLR12, SKIDBLR	111-LVent	30 TAC Chapter 111, Visible Emissions	No changing attributes.
MEROX	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
SKIDBLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-1	40 CFR Part 60, Subpart Db	FACILITY TYPE = The affected facility does not include a fuel gas combustion device., D- SERIES FUEL TYPE = Natural Gas
SKIDBLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-2	40 CFR Part 60, Subpart Db	FACILITY TYPE = The affected facility includes a fuel gas combustion device., MONITORING DEVICE = An instrument is in place for continuous monitoring and recording the concentration (dry basis) of hydrogen sulfide in fuel gasses before being burned in any fuel gas combustion device., COMMON FUEL SOURCE = The fuel gas combustion device has a common fuel source with other fuel gas combustion devices., D- SERIES FUEL TYPE #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.
SKIDBLR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-FUEL	40 CFR Part 60, Subpart Ja	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
SKIDBLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
SKIDBLRFUG	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
VD114	STORAGE TANKS/VESSELS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
VD114	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
VGo8	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
0111	EU	60Ka	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
0202	EU	60Ka	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
0202	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
0401	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
1025	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 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(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(e) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 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)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1025	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.11 § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(m) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(e)(1) § 63.120(e)(4) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d) § 63.646(b)(1)	[G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) § 63.655(i)(1)(iv) § 63.655(i)(5)	[G]§ 63.120(e)(2) § 63.122(c)(2) [G]§ 63.122(g)(3) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(5) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
10H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1165	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
1165	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E1	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)-Table1.a.1.a § 63.6595(c) § 63.6600(a)-Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)-Table4.2.a.i § 63.6620(a)-Table4.2.a.ii § 63.6620(a)-Table4.2.a.iii § 63.6620(a)-Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)-Table5.8.a.i § 63.6630(a)-Table5.8.a.ii § 63.6630(a)-Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)-Table6.5.a.i § 63.6640(a)-Table6.5.a.ii § 63.6640(a)-Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)-Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E2	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1.a.1.a § 63.6595(c) § 63.6600(a)-Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E3	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1.a.1.a § 63.6595(c) § 63.6600(a)-Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E4	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1a.1.a § 63.6595(c) § 63.6600(a)-Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E5	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)-Table1.a.1.a § 63.6595(c) § 63.6600(a)-Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)-Table4.2.a.i § 63.6620(a)-Table4.2.a.ii § 63.6620(a)-Table4.2.a.iii § 63.6620(a)-Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)-Table5.8.a.i § 63.6630(a)-Table5.8.a.ii § 63.6630(a)-Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)-Table6.5.a.i § 63.6640(a)-Table6.5.a.ii § 63.6640(a)-Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)-Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E6	EU	63ZZZZ-3	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.11 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 4SRB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of HCHO in the stationary RICE exhaust to 10.3 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.iv § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E7	EU	63ZZZZ-3	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.11 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 4SRB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of HCHO in the stationary RICE exhaust to 10.3 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.iv § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)
12H1	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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19B1-H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
19B1-H2#2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
19B1-H2#3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19B2-H4	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
19H3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
19H5#1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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19H5#2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
19H6	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
22H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2510	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(f) § 63.120(b)(5)(ii) § 63.120(b)(6)(f) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4) § 63.646(b)(1) § 63.646(e)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) [G]§ 63.655(h)(6)
2579	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b(a)(1) § 60.115b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2579	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
2580	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
25H1	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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25V1	EP	R1111-B	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
25V1	EP	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(1)	All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	[G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2)	§ 63.655(g)(7)(ii) § 63.655(i)(5)	§ 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i)
2673	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(f)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

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2673	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
26H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
28H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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29H4	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
29P1	EP	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	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)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
29P1	EU	60J-FLUID	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(b)(3) § 60.104(c) § 60.108(b)	For each affected fluid catalytic cracking unit catalyst regenerator, process in the fluid catalytic cracking unit fresh feed that has a total sulfur content no greater than 0.30 percent by weight.	§ 60.106(a) § 60.106(g) [G]§ 60.106(j) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.107(b)(3) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) [G]§ 60.107(c)(3) § 60.107(c)(6) § 60.107(d) § 60.107(f) § 60.107(g) § 60.108(e)
29P1	EU	60J-FLUID	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.105(a)(2)	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).	§ 60.105(a)(2) § 60.105(a)(2)(i) § 60.106(a) § 60.106(d)	§ 60.105(a)(2) § 60.105(c)	§ 60.105(e)(2) § 60.107(f) § 60.107(g)

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29P1	EU	60J-FLUID	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.106(a) § 60.106(b) § 60.106(b)(1) § 60.106(b)(2) [G]§ 60.106(b)(3) ** See CAM Summary	§ 60.105(c)	§ 60.107(f) § 60.107(g)
29P1	EU	60J-FLUID	PM (OPACITY)	40 CFR Part 60, Subpart J	§ 60.102(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	§ 60.105(a)(1) § 60.106(a) § 60.106(b) § 60.106(b)(4) ** See CAM Summary	§ 60.105(a)(1) § 60.105(c)	§ 60.105(e)(1) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
29P1	EU	63UUU-1	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table9.1 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(b)(3) § 63.1565(b)(4) § 63.1565(b)(4)-Table12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)	For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 or electing to comply with the NSPS requirements (Option 1), CO emissions from the catalyst regenerator vent or CO boiler serving the CCU must not exceed 500 parts per million volume (ppmv) (dry basis).	§ 63.1565(b)(1) § 63.1565(b)(1)-Table10.1 § 63.1565(c)(1)-Table13.1 § 63.1565(c)(1)-Table14.1 [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table40.2 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2)	§ 63.1565(b)(1)-Table10.1 § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)
29P1	EU	63UUU-1	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 kg/1,000 kg (1.0 lb/1,000 lbs) of coke burn-off in the catalyst regenerator and, if applicable, the incremental rate of PM emissions must not exceed 43.0 g/GJ (0.10 lb/MMBtu) of heat input attributable to auxiliary or supplemental fired liquid or solid fossil fuel.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
29P1	EU	63UUU-1	PM (OPACITY)	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)
2H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2H2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
3001	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3002	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
3003	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3003	EU	61FF-STORE	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
3411	PRO	60J-SRU	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any Claus sulfur recovery plant with a reduction control system followed by incineration any gases containing in excess of 250 ppm by volume of SO ₂ at zero percent excess air.	[G]§ 60.105(a)(5) § 60.106(a) [G]§ 60.106(f) ** See CAM Summary	[G]§ 60.105(a)(5)	§ 60.105(e)(4)(i) § 60.107(d) § 60.107(f) § 60.107(g)

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34I1	EU	63UUU-2	SO ₂	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table35.1 § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing Claus SRU part of a sulfur recovery plant of 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2), you must meet the emission limit for each process vent of 250ppmv (dry basis) of sulfur dioxide (SO ₂) at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1572(a)(1)-Table40.4 § 63.1572(a)(1)-Table40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
36H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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40H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
40P1	EP	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	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)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
40P1	EU	60J-FLUID	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(b)(3) § 60.104(c) § 60.108(b)	For each affected fluid catalytic cracking unit catalyst regenerator, process in the fluid catalytic cracking unit fresh feed that has a total sulfur content no greater than 0.30 percent by weight.	§ 60.106(a) § 60.106(g) [G]§ 60.106(j) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.107(b)(3) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) [G]§ 60.107(c)(3) § 60.107(c)(6) § 60.107(d) § 60.107(f) § 60.107(g) § 60.108(e)
40P1	EU	60J-FLUID	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.105(a)(2)	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).	§ 60.105(a)(2) § 60.105(a)(2)(i) § 60.106(a) § 60.106(d)	§ 60.105(a)(2) § 60.105(c)	§ 60.105(e)(2) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40P1	EU	60J-FLUID	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.106(a) § 60.106(b) § 60.106(b)(1) § 60.106(b)(2) [G]§ 60.106(b)(3) ** See CAM Summary	§ 60.105(c)	§ 60.107(f) § 60.107(g)
40P1	EU	60J-FLUID	PM (OPACITY)	40 CFR Part 60, Subpart J	§ 60.102(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	§ 60.105(a)(1) § 60.106(a) § 60.106(b) § 60.106(b)(4) ** See CAM Summary	§ 60.105(a)(1) § 60.105(c)	§ 60.105(e)(1) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40P1	EU	63UUU-1	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table9.1 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(b)(3) § 63.1565(b)(4) § 63.1565(b)(4)-Table12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)	For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 or electing to comply with the NSPS requirements (Option 1), CO emissions from the catalyst regenerator vent or CO boiler serving the CCU must not exceed 500 parts per million volume (ppmv) (dry basis).	§ 63.1565(b)(1) § 63.1565(b)(1)-Table10.1 § 63.1565(c)(1)-Table13.1 § 63.1565(c)(1)-Table14.1 [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table40.2 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2)	§ 63.1565(b)(1)-Table10.1 § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)
40P1	EU	63UUU-1	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 kg/1,000 kg (1.0 lb/1,000 lbs) of coke burn-off in the catalyst regenerator and, if applicable, the incremental rate of PM emissions must not exceed 43.0 g/GJ (0.10 lb/MMBtu) of heat input attributable to auxiliary or supplemental fired liquid or solid fossil fuel.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40P1	EU	63UUU-1	PM (OPACITY)	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)
42H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
42H2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
42H3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
43I1	PRO	60J-SRU	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any Claus sulfur recovery plant with a reduction control system followed by incineration any gases containing in excess of 250 ppm by volume of SO ₂ at zero percent excess air.	[G]§ 60.105(a)(5) § 60.106(a) [G]§ 60.106(f) ** See CAM Summary	[G]§ 60.105(a)(5)	§ 60.105(e)(4)(i) § 60.107(d) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
4311	EU	63UUU-2	SO ₂	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table35.1 § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing Claus SRU part of a sulfur recovery plant of 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2), you must meet the emission limit for each process vent of 250ppmv (dry basis) of sulfur dioxide (SO ₂) at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1572(a)(1)-Table40.4 § 63.1572(a)(1)-Table40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
45V1	EP	63G	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(2) § 63.113(h) [G]§ 63.115(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1)(i) § 63.114(e) [G]§ 63.115(f) [G]§ 63.116(c)	§ 63.114(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.114(e) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(f) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
45V2	EP	63G	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(2) § 63.113(h) [G]§ 63.115(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1)(i) § 63.114(e) [G]§ 63.115(f) [G]§ 63.116(c)	§ 63.114(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.114(e) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(f) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
4H1	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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4H2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
50H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
50HT1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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50HT2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
50HT3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
51H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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5556	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii) § 63.646(b)(1) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(i) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
5H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
5H2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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5H3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
66FL1	EU	111.111FLARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
66FL1	CD	60.18-FLARE	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
66FL1	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL1	CD	63CC-FLARE	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
66FL12	EU	111.111FLARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
66FL12	CD	60.18 FLARE	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
66FL12	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL12	CD	63H-FLARE	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
66FL13	CD	60.18 FLARE	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
66FL13	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
66FL13	CD	63CC-FLARE	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

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL2	EU	111.111FLARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
66FL2	CD	60.18-FLARE	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
66FL2	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
66FL2	CD	63CC-FLARE	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

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL3	EU	111.111FLARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
66FL3	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
66FL3	CD	63CC-FLARE	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
66FLH1	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FLH12	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)
66FLH2	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)
66FLH3	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
6H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
6H3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E1	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E2	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E3	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E4	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E5	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E6	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)
7H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7H2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
7H3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
7H4	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
8001	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4) § 63.646(b)(1) § 63.646(e)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) [G]§ 63.655(h)(6)
81B17	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
85B2	EP	111-FVent	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	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)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

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85B2	EU	60Db-1	SO ₂	40 CFR Part 60, Subpart Db	§ 60.104(a)(1) § 60.104	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4)	§ 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 60.107(f)
85B2	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
85B2	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
85B2	EU	60Db-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
85B2	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
98H1	EP	R1111-1	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

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98H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
9H1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
BLR12	EU	60Db-1	SO ₂	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.
BLR12	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLR12	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BLR12	EU	60Db-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)
BLR12	EU	60Db-2	SO ₂	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLR12	EU	60Db-2	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BLR12	EU	60Db-2	NO _x	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BLR12	EU	60Ja-FUEL	H ₂ S	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja

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BLR12	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
DO11	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 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)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(G) [G]§ 61.356(f)(3) § 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)	None
DO11	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

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ENG-SC-1	EU	60III-3	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4201(d)(1)-(3) and 40 CFR 60.4201(e)(1)-(2) and 40 CFR 94.8(a)(2) and 40 CFR 1042.101.	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
ENG-SC-1	EU	60III-3	Total Hydrocarbons/NO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 7.8 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SC-1	EU	60III-3	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a PM emission limit of 0.27 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
ENG-SC-1	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD1	EU	6oIII-1	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-SD1	EU	6oIII-1	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD1	EU	60III-1	PM (OPACITY)	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None
ENG-SD1	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with a PM emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD1	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-SD2	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD2	EU	60III-1	NMHC and NO _x	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None
ENG-SD2	EU	60III-1	PM (OPACITY)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD2	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with a PM emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).	None	None	None
ENG-SD2	EU	63ZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD3	EU	6oIII-1	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-SD3	EU	6oIII-1	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD3	EU	60III-1	PM (OPACITY)	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None
ENG-SD3	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with a PM emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD3	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-SD4	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD4	EU	6oIII-1	NMHC and NO _x	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None
ENG-SD4	EU	6oIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with a PM emission limit of 0.02 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD4	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-SD5	blank	60IIII-2	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW and less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD5	blank	6oIII-2	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW but less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2012 model year must comply with an NMHC+NO _x emission limit of 7.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102.	None	None	None
ENG-SD5	blank	6oIII-2	PM (OPACITY)	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD5	blank	60III-2	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW and less than 56 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2012 model year must comply with a PM emission limit of 0.30 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102.	None	None	None
ENG-SD5	EU	63ZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-11	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-11	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-19-1	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-19-1	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

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F-19-2	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-19-2	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-19-3	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-19-3	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-2	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-2	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-2-1	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-2-1	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-4	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-4	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-5	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-5	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)

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F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

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F-67	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-67	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-7	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-7	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FGR-FUG	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a [G]§ 60.487a	None
FWP1	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
FWP2	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FWP3	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
FWP4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
FWP5	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.163 [G]§ 63.171 [G]§ 63.176 § 63.648(f) § 63.655(d)(2)	Comply with the specified Subpart H requirements for pumps in light liquid service, instrument readings that define a leak are specified in Subpart CC, table 2.	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(6) § 63.648(c)(7) § 63.648(c)(8)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for non-reciprocating pumps in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.164 [G]§ 63.171 § 63.648(i) § 63.655(d)(2)	Comply with the specified Subpart H requirements for compressors which are not in hydrogen service.	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.165 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for pressure relief devices in gas/vapor service.	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for pressure relief device in liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.166 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for sampling connection systems.	[G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.167 [G]§ 63.171 [G]§ 63.175 § 63.655(d)(2)	Comply with the specified Subpart H requirements for open-ended valves and lines.	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(9) [G]§ 63.181(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.168 [G]§ 63.171 [G]§ 63.175 § 63.648(c)(9) § 63.655(d)(2)	Comply with the specified Subpart H requirements for valves in gas/vapor and light liquid service, instrument readings defining a leak are specified in Subpart CC, table 2.	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(8)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for valves in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(5) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.649(a) § 63.655(d)(2)	Connectors in gas/vapor or light liquid are subject to the requirements in heavy liquid service in §63.169. The leak definition for specified systems subject to §63.169 is 1,000 parts per million.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(4)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for connectors in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for instrumentation systems.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(j)(1) § 63.172(j)(2) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for closed vent systems.	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) § 63.172(j)(1) § 63.172(j)(2) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.118(a)(3) § 63.172(j)(1) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.172(b) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for vapor recovery systems.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.172(c) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for enclosed combustion devices.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.11(b) § 63.172(d) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for flares.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(D)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CC-ToA	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-CC-ToC	EU	60Ka	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
GRP-CC-ToD	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
GRP-EBCENG	EU	60III-3	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4201(d)(1)-(3) and 40 CFR 60.4201(e)(1)-(2) and 40 CFR 94.8(a)(2) and 40 CFR 1042.101.	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
GRP-EBCENG	EU	60III-3	Total Hydrocarbons/NO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 7.8 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-EBCENG	EU	60III-3	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a PM emission limit of 0.27 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
GRP-EBCENG	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-FF-T3A	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 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)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 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)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
GRP-FF-T3A	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-FF-T3B	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 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)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 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)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-FF-T5A	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
GRP-KB-ECC	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-ECC	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRP-KB-T1A	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
GRP-KB-T1C	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(f)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T1C	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRP-KB-T2A	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T2A	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRP-KB-T2B	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T2C	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRP-KB-T2C	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T3B	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
GRP-KB-T3B	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-TK3	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 60.485(b)	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)
GRP-LOAD	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.650(a) § 60.502(a) § 60.502(d) § 60.502(g) § 60.502(h) § 60.502(i) § 63.422(a) § 63.422(b) § 63.427(b)	A gasoline loading rack classified under SIC 2911 located within a contiguous area and under common control with a petroleum refinery shall comply with specified sections.	§ 60.503(a) § 60.503(b) § 60.503(d) § 60.503(d)(1) § 60.503(d)(2) § 63.425(a) § 63.425(b) § 63.425(b)(1) § 63.425(b)(2) § 63.425(b)(3) § 63.427(a) § 63.427(a)(3) § 63.427(b) § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4)	§ 60.503(d)(2) § 63.425(b)(1) § 63.425(c) § 63.428(c)(1) § 63.428(c)(2) § 63.428(c)(2)(i) § 63.642(e) § 63.655(b) § 63.655(i)(5)	§ 63.428(c)(2) § 63.428(c)(2)(i) § 63.428(h)(1) § 63.642(d)(2) § 63.642(f) § 63.655(b)
GRP-QQQ-T4	EU	60QQQ	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-5(b) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.695(b) § 60.697(c) § 60.696(a) [G]§ 60.696(b)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii)	§ 60.695(b) § 60.698(b)(1) § 60.698(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-QQQ-T4	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-RFUEL	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
GRP-TANK	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-V100	EP	111-LVent	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

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MEROX	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)
SKIDBLR	EU	60Db-1	SO2	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.
SKIDBLR	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SKIDBLR	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
SKIDBLR	EU	60Db-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)
SKIDBLR	EU	60Db-2	SO ₂	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SKIDBLR	EU	60Db-2	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
SKIDBLR	EU	60Db-2	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
SKIDBLR	EU	60Db-2	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SKIDBLR	EU	60Ja-FUEL	H ₂ S	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
SKIDBLR	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
SKIDBLRFUG	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SKIDBLRFUG	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
VD114	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(8) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.354(c) § 61.354(c)(8) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(i) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3)	§ 61.357(d)(7) § 61.357(d)(7)(iv)
VD114	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
VGo8	EP	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(1)	All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	[G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2)	§ 63.655(g)(7)(ii) § 63.655(i)(5)	§ 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i)

Additional Monitoring Requirements

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CAM Summary

Unit/Group/Process Information	
ID No.: 29P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM	Main Standard: § 60.102(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 29P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM (OPACITY)	Main Standard: § 60.102(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 34I1	
Control Device ID No.: 34I1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-SRU
Pollutant: SO ₂	Main Standard: § 60.104(a)(2)(i)
Monitoring Information	
Indicator: SO ₂ concentration	
Minimum Frequency: 4 times/hour	
Averaging Period: 12 hours	
Deviation Limit: >250 ppmv SO ₂ at 0% excess air	
<p>CAM Text: The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, procedure 1. 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 applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. Quality-assured (or valid) data must be generated when the facility (TGI) is operating except during the performance of a daily zero and span check. loss of valid data due to periods of monitor breakdown, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the facility generating emissions operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of SO₂. 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 No's. 1 through 9, 40 CFR Part 60, Appendix B.</p> <p>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, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). Successive quarterly audits shall occur no closer than two months.</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 40P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM	Main Standard: § 60.102(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 40P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM (OPACITY)	Main Standard: § 60.102(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 43I1	
Control Device ID No.: 43I1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-SRU
Pollutant: SO ₂	Main Standard: § 60.104(a)(2)(i)
Monitoring Information	
Indicator: SO ₂ concentration	
Minimum Frequency: 4 times/hour	
Averaging Period: 12 hours	
Deviation Limit: >250 ppmv SO ₂ at 0% excess air	
<p>CAM Text: The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, procedure 1. 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 applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. Quality-assured (or valid) data must be generated when the facility (TGI) is operating except during the performance of a daily zero and span check. loss of valid data due to periods of monitor breakdown, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the facility generating emissions operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of SO₂. 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 No.s. 1 through 9, 40 CFR Part 60, Appendix B.</p> <p>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, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). Successive quarterly audits shall occur no closer than two months.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 25V1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-B
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Once per quarter	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 20%	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded during each calendar quarter unless the emission unit is not operating for the entire quarter. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. 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. A certified opacity reader is not required for visible emission observations. 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 a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 98H1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15%	
<p>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.</p> <p>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.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-V100	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-LVent
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
<p>Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 15% opacity.</p>	
<p>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.</p> <p>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.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

Permit Shield

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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		
0111	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
0111	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
0202	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
0202	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
0401	N/A	40 CFR Part 63, Subpart CC	CC and Kb tanks only have to comply with Kb regulations.
0401	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
0401	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
1025	N/A	40 CFR Part 60, Subpart QQQ	Group 1 wastewater tank is complying with 40 CFR Part 63, Subpart CC.

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		
1165	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
1165	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
2510	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
2510	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
2510	N/A	40 CFR Part 63, Subpart R	Refinery complying with 40 CFR Part 63, Subpart CC is not subject to Subpart R standards for storage vessels.
2673	N/A	40 CFR Part 60, Subpart QQQ	Group 1 wastewater tank is complying with 40 CFR Part 63, Subpart CC.
2673	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
2673	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

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		
3001	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
3002	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
3003	N/A	40 CFR Part 63, Subpart CC	CC and Kb tanks only have to comply with Kb regulations.
3003	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
3003	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
5556	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
5556	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

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		
5556	N/A	40 CFR Part 63, Subpart R	Refinery complying with 40 CFR Part 63, Subpart CC is not subject to Subpart R standards for storage vessels.
8001	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
8001	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
81B17	N/A	40 CFR Part 60, Subpart Dc	The maximum design capacity is > 100 MMBtu/hr
93E1	N/A	40 CFR Part 63, Subpart ZZZZ	Existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.
93E2	N/A	40 CFR Part 63, Subpart ZZZZ	Existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.
98H1	N/A	40 CFR Part 60, Subpart J	Heater uses only purchased natural gas.
Do11	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DO11	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
F-11	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-11	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-11	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-11	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-11	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-11	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-13	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-13	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-1-6-PB	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-1-7OLD	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-1-7OLD	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-19-1	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-19-1	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-19-1	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-19-1	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).

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		
F-19-1	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-19-1	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-19-2	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-19-2	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-19-2	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-19-2	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-19-2	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-19-2	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).

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		
F-19-3	N/A	40 CFR Part 60, Subpart KKK	Facility is not an onshore natural gas processing plant.
F-19-3	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-2	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-2	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-2	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-2	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-2	N/A	40 CFR Part 61, Subpart V	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-2	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-2	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-2	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-2-1	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-2-1	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-2-1	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-2-1	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-2-1	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-2-1	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-4	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-4	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-4	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-4	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-4	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-4	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-5	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-5	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-5	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-5	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-5	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-5	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-5	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6)
F-54-C21	N/A	40 CFR Part 61, Subpart FF	Not associated with coke by-product handling.

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-54-C21	N/A	40 CFR Part 63, Subpart Q	Chromium is not used.
F-6	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-6	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-6	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-6	N/A	40 CFR Part 61, Subpart V	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-6	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a)

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-6	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-6	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-66-3	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-66-3	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-66-3	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-66-FG	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.

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		
F-68-1S	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-68-1S	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-68-2N	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-68-3	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-68-4TA	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-6-B	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.

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		
F-7	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-7	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-7	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-7	N/A	40 CFR Part 61, Subpart J	Sources do not operate in benzene service.
F-7	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-7	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-7	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-81	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.

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		
F-81	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-81	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
FGR-FUG	N/A	40 CFR Part 60, Subpart GGG	Not an affected facility per 60.590(a)(1)
FGR-FUG	N/A	40 CFR Part 60, Subpart KKK	The facility is not in an onshore natural gas processing plant.
FGR-FUG	N/A	40 CFR Part 63, Subpart CC	MACT CC does not apply to refinery fuel gas systems.
FGR-FUG	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
FGR-FUG	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
FGR-FUG	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6)

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 60, Subpart VV	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CC-ToA	0109, 0110, 0552, 0558, 1067, 2571, 2572, 2578, 2670, 2671, 2672, 2674, 2675, 2676, 2677, 2678, 5508, 5511, 5525, 5536, 5537, 5538, 5539, 5540, 5541, 5542, 5543, 5544, 5545, 5546, 5548, 5587, 5588, 5589, 5590, 5598, 8011, 8012, 8013, 8015, 8033, 9200, 9504	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-CC-ToA	0109, 0110, 0552, 0558, 1067, 2571, 2572, 2578, 2670, 2671, 2672, 2674, 2675, 2676, 2677, 2678, 5508, 5511, 5525, 5536, 5537, 5538, 5539, 5540, 5541, 5542, 5543, 5544, 5545, 5546, 5548, 5587, 5588, 5589, 5590, 5598, 8011, 8012, 8013, 8015, 8033, 9200, 9504	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-CC-ToC	9700, 9701, 9702	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-CC-ToC	9700, 9701, 9702	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CC-ToD	5531, 5596, 9202	40 CFR Part 60, Subpart Kb	Tanks that contain material less than 0.5 vapor pressure are exempt from Kb.
GRP-CC-ToD	5531, 5596, 9202	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-CC-ToD	5531, 5596, 9202	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-CCVVFUG	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F-2-5, F-26, F-29, F-34, F-35, F-40, F-41, F-42, F-43, F-44, F-50, F-51, F-53-1, F-56, F-66-1, F-66-2, F-68-1A, F-68-1E, F-68-1N, F-68-1R, F-68-1T, F-68-1W, F-68-2S, F-68-4N, F-68-4T, F-68-5, F-6-A, F-98, SGC-FUG	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CCVVFUG	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F-2-5, F-26, F-29, F-34, F-35, F-40, F-41, F-42, F-43, F-44, F-50, F-51, F-53-1, F-56, F-66-1, F-66-2, F-68-1A, F-68-1E, F-68-1N, F-68-1R, F-68-1T, F-68-1W, F-68-2S, F-68-4N, F-68-4T, F-68-5, F-6-A, F-98, SGC-FUG	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-CCVVFUG	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F-2-5, F-26, F-29, F-34, F-35, F-40, F-41, F-42, F-43, F-44, F-50, F-51, F-53-1, F-56, F-66-1, F-66-2, F-68-1A, F-68-1E, F-68-1N, F-68-1R, F-68-1T, F-68-1W, F-68-2S, F-68-4N, F-68-4T, F-68-5, F-6-A, F-98, SGC-FUG	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-FF-T3A	UF17, VF02, VF03, VF04	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-FF-T3A	UF17, VF02, VF03, VF04	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-FF-T3B	DD21, HG86	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-FF-T3B	DD21, HG86	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-FF-T5A	VG49, VG50	40 CFR Part 60, Subpart Kb	The capacity is less than 40 cubic meters.
GRP-FF-T5A	VG49, VG50	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-FF-T5A	VG49, VG50	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-ECC	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-ECC	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T1A	1003, 1004, 1006, 1007	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-KB-T1A	1003, 1004, 1006, 1007	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T1C	2072, 2577, 5520, 8031	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T1C	2072, 2577, 5520, 8031	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T2A	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T2A	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T2B	0512, 1011, 1164, 1522, 2552, 2553, 2575, 5559, 5560	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-KB-T2B	0512, 1011, 1164, 1522, 2552, 2553, 2575, 5559, 5560	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T2C	5591, 8010, 8014, 9201	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T2C	5591, 8010, 8014, 9201	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T3B	1012, 1013	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T3B	1012, 1013	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-TK3	0572, 0573	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-TK3	0572, 0573	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-K-TKO	0511, 0514, 5550	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-K-TKO	0511, 0514, 5550	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-LOAD	53R3, 53R4, 53T2	40 CFR Part 63, Subpart R	Refinery complying with 40 CFR Part 63, Subpart CC is not subject to Subpart R standards for gasoline loading racks.
GRP-QQQ-T4	9600, 9601	40 CFR Part 61, Subpart FF	Tank doesn't manage, treat, or store a waste stream subject to 40 CFR Part 61 Subpart FF.
GRP-QQQ-T4	9600, 9601	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-QQQ-T4	9600, 9601	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-TANK	8035, 8036, 8037, 9400, 9401	40 CFR Part 61, Subpart FF	Tank doesn't manage, treat, or store a waste stream subject to 40 CFR Part 61 Subpart FF.
GRP-TANK	8035, 8036, 8037, 9400, 9401	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TANK	8035, 8036, 8037, 9400, 9401	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
SKIDBLR	N/A	40 CFR Part 60, Subpart Dc	The maximum design capacity is > 100 MMBtu/hr.
SKIDBLRFUG	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were constructed after November 7, 2006.
SKIDBLRFUG	N/A	40 CFR Part 60, Subpart KKK	The facility is not in an onshore natural gas processing plant.
SKIDBLRFUG	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a)
SKIDBLRFUG	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
SKIDBLRFUG	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
TK2530	N/A	40 CFR Part 60, Subpart Kb	Storage vessels with a capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure less than 3.5 kPa are exempt from the provisions of this subpart.

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		
VD114	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
VD114	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

New Source Review Authorization References

New Source Review Authorization References 239

New Source Review Authorization References by Emission Unit..... 240

New Source Review Authorization References

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: GHGPSDTX130	Issuance Date: 09/04/2015
PSD Permit No.: PSDTX102M7	Issuance Date: 09/24/2014
PSD Permit No.: PSDTX1158M1	Issuance Date: 09/04/2015
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.: 100477	Issuance Date: 01/12/2012
Authorization No.: 104928	Issuance Date: 09/24/2014
Authorization No.: 14441A	Issuance Date: 05/30/2012
Authorization No.: 43073	Issuance Date: 11/17/2009
Authorization No.: 80799	Issuance Date: 10/09/2014
Authorization No.: 85872	Issuance Date: 09/04/2015
Authorization No.: 87458	Issuance Date: 03/02/2009
Authorization No.: 90208	Issuance Date: 08/05/2010
Authorization No.: 9868A	Issuance Date: 09/24/2014
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 106.533	Version No./Date: 07/04/2004

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
0109	TANK STORAGE	9868A, PSDTX102M7
0110	TANK STORAGE	9868A, PSDTX102M7
0111	TANK STORAGE	9868A, PSDTX102M7
0202	TANK STORAGE	9868A, PSDTX102M7
0401	TANK STORAGE	9868A, PSDTX102M7
0511	TANK STORAGE	9868A, PSDTX102M7
0512	TANK STORAGE	9868A, PSDTX102M7
0514	TANK STORAGE	9868A, PSDTX102M7
0552	TANK STORAGE	9868A, PSDTX102M7
0558	TANK STORAGE	9868A, PSDTX102M7
0562	TANK STORAGE	9868A, PSDTX102M7
0572	TANK STORAGE	9868A, PSDTX102M7
0573	TANK STORAGE	9868A, PSDTX102M7
1001	TANK STORAGE	9868A, PSDTX102M7
1002	TANK STORAGE	9868A, PSDTX102M7
1003	TANK STORAGE	9868A, PSDTX102M7
1004	TANK STORAGE	9868A, PSDTX102M7
1006	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
1007	TANK STORAGE	9868A, PSDTX102M7
1011	TANK STORAGE	9868A, PSDTX102M7
1012	TANK STORAGE	9868A, PSDTX102M7
1013	TANK STORAGE	9868A, PSDTX102M7
1025	SOUR WATER TANK	9868A, PSDTX102M7
1064	TANK STORAGE	9868A, PSDTX102M7
1067	TANK STORAGE	9868A, PSDTX102M7
10H1	CRUDE OIL HEATER FUEL	9868A, PSDTX102M7
1163	TANK STORAGE	9868A, PSDTX102M7
1164	TANK STORAGE	9868A, PSDTX102M7
1165	TANK STORAGE	9868A, PSDTX102M7
12E1	ENGINE	9868A, PSDTX102M7
12E2	ENGINE	9868A, PSDTX102M7
12E3	ENGINE	9868A, PSDTX102M7
12E4	ENGINE	9868A, PSDTX102M7
12E5	ENGINE	9868A, PSDTX102M7
12E6	ENGINE	9868A, PSDTX102M7
12E7	ENGINE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
12H1	HEATER	9868A, PSDTX102M7
1522	TANK STORAGE	9868A, PSDTX102M7
19B1/19H1	U19.2, CHG FURN, #2 & #3 FUEL	9868A, PSDTX102M7
19B1-H1	19.2 CHARGE FURNACE	9868A, PSDTX102M7
19B1-H2#2	19.2 #2 REHEATER	9868A, PSDTX102M7
19B1-H2#3	19.2#3 REHEATER	9868A, PSDTX102M7
19B2-H4	19.3 CHARGE FURNACE	9868A, PSDTX102M7
19H3	19.1 NAPHTHA HDS CHARGE HEATER	9868A, PSDTX102M7
19H5#1	UNIT 19.1 #1 REBOILER	9868A, PSDTX102M7
19H5#2	UNIT 19.1 #2 REBOILER	9868A, PSDTX102M7
19H6	19.2 PLATFORMER REHEATER #1	9868A, PSDTX102M7
2072	TANK STORAGE	9868A, PSDTX102M7
22H1	ALKY REBOILER FURNACE	9868A, PSDTX102M7
2510	TANK STORAGE	9868A, PSDTX102M7
2552	TANK STORAGE	106.472/09/04/2000
2553	TANK STORAGE	9868A, PSDTX102M7
2571	TANK STORAGE	9868A, PSDTX102M7
2572	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
2575	TANK STORAGE	9868A, PSDTX102M7
2576	TANK STORAGE	9868A, PSDTX102M7
2577	TANK STORAGE	9868A, PSDTX102M7
2578	TANK STORAGE	9868A, PSDTX102M7
2579	TANK STORAGE	9868A, PSDTX102M7
2580	TANK STORAGE	9868A, PSDTX102M7
25H1	UNIT 25 HEATER	43073
25V1	LSG REGENERATION VENT	43073
2670	TANK STORAGE	9868A, PSDTX102M7
2671	TANK STORAGE	9868A, PSDTX102M7
2672	TANK STORAGE	9868A, PSDTX102M7
2673	TANK STORAGE	9868A, PSDTX102M7
2674	TANK STORAGE	9868A, PSDTX102M7
2675	TANK STORAGE	9868A, PSDTX102M7
2676	TANK STORAGE	9868A, PSDTX102M7
2677	TANK STORAGE	9868A, PSDTX102M7
2678	TANK STORAGE	9868A, PSDTX102M7
26H1	UNIT 26 DEC4 REBOILER	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
28H1	UNIT 28 CHARGE HEATER	9868A, PSDTX102M7
29H4	UNIT 29 DEC4 REBOILER	9868A, PSDTX102M7
29P1	UNIT 29 FCCU	9868A, PSDTX102M7
2H1	UNIT 2-2 HDS CHARGE HEATER	9868A, PSDTX102M7
2H2	NGL DEOILER FURNACE	9868A, PSDTX102M7
3001	TANK STORAGE	9868A, PSDTX102M7
3002	TANK STORAGE	9868A, PSDTX102M7
3003	TANK STORAGE	9868A, PSDTX102M7
34I1	SRU INCINERATOR	9868A, PSDTX102M7
36H1	HDS UNIT CHARGE HEATER	9868A, PSDTX102M7
4030	TANK STORAGE	9868A, PSDTX102M7
40H1	UNIT 40 SUPERHEATER #1	9868A, PSDTX102M7
40P1	UNIT 40 FCCU REGENERATOR	9868A, PSDTX102M7
41H1	UNIT 41 REF FURNACE	9868A, PSDTX102M7
42H1	UNIT 42 REACTOR CHARGE HEATER	9868A, PSDTX102M7
42H2	UNIT 42 REACTOR CHARGE HEATER	9868A, PSDTX102M7
42H3	UNIT 42 FRACT FEED HEATER	9868A, PSDTX102M7
43I1	SCOT UNIT INCINERATOR	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
45V1	LOW PRESS ABS VENT	9868A, PSDTX102M7
45V2	H2 STRIPPER VENT	9868A, PSDTX102M7
4H1	UNIT 4 FEED HEATER	9868A, PSDTX102M7
4H2	UNIT 4 DEHYDRATOR HEATER	9868A, PSDTX102M7
50H1	COKER UNIT CHARGER HEATER	9868A, PSDTX102M7
50HT1	COKER TANK HEATER 1	9868A, PSDTX102M7
50HT2	COKER TANK HEATER 2	9868A, PSDTX102M7
50HT3	COKER TANK HEATER 3	9868A, PSDTX102M7
51H1	VACUUM UNIT HEATER	9868A, PSDTX102M7
53R3	NGL TANK CAR TRACKS 3 & 4	9868A, PSDTX102M7
53R4	NGL TANK CAR TRACK 5	9868A, PSDTX102M7
53T2	NGL TANK TRUCK LOADING	9868A, PSDTX102M7
5505	TANK STORAGE	9868A, PSDTX102M7
5508	TANK STORAGE	9868A, PSDTX102M7
5511	TANK STORAGE	9868A, PSDTX102M7
5520	TANK STORAGE	9868A, PSDTX102M7
5521	TANK STORAGE	9868A, PSDTX102M7
5525	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
5531	TANK STORAGE	9868A, PSDTX102M7
5532	TANK STORAGE	9868A, PSDTX102M7
5536	TANK STORAGE	9868A, PSDTX102M7
5537	TANK STORAGE	9868A, PSDTX102M7
5538	TANK STORAGE	9868A, PSDTX102M7
5539	TANK STORAGE	9868A, PSDTX102M7
5540	TANK STORAGE	9868A, PSDTX102M7
5541	TANK STORAGE	9868A, PSDTX102M7
5542	TANK STORAGE	9868A, PSDTX102M7
5543	TANK STORAGE	9868A, PSDTX102M7
5544	TANK STORAGE	9868A, PSDTX102M7
5545	TANK STORAGE	9868A, PSDTX102M7
5546	TANK STORAGE	9868A, PSDTX102M7
5548	TANK STORAGE	9868A, PSDTX102M7
5550	TANK STORAGE	9868A, PSDTX102M7
5551	TANK STORAGE	9868A, PSDTX102M7
5553	TANK STORAGE	9868A, PSDTX102M7
5554	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
5555	TANK STORAGE	9868A, PSDTX102M7
5556	TANK STORAGE	9868A, PSDTX102M7
5557	TANK STORAGE	9868A, PSDTX102M7
5558	TANK STORAGE	9868A, PSDTX102M7
5559	TANK STORAGE	9868A, PSDTX102M7
5560	TANK STORAGE	9868A, PSDTX102M7
5578	TANK STORAGE	9868A, PSDTX102M7
5580	TANK STORAGE	9868A, PSDTX102M7
5583	TANK STORAGE	9868A, PSDTX102M7
5584	TANK STORAGE	9868A, PSDTX102M7
5587	TANK STORAGE	9868A, PSDTX102M7
5588	TANK STORAGE	9868A, PSDTX102M7
5589	TANK STORAGE	9868A, PSDTX102M7
5590	TANK STORAGE	9868A, PSDTX102M7
5591	TANK STORAGE	9868A, PSDTX102M7
5592	TANK STORAGE	9868A, PSDTX102M7
5593	TANK STORAGE	9868A, PSDTX102M7
5596	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
5597	TANK STORAGE	9868A, PSDTX102M7
5598	TANK STORAGE	9868A, PSDTX102M7
5599	TANK STORAGE	9868A, PSDTX102M7
5H1	UNIT 5-A FEED HEATER	9868A, PSDTX102M7
5H2	UNIT 5-B FEED HEATER	9868A, PSDTX102M7
5H3	UNIT 5-C FEED HEATER	9868A, PSDTX102M7
66FL12	GOHDS FLARE	9868A, PSDTX102M7
66FL13	DERRICK FLARE	9868A, PSDTX102M7
66FL1	REFINERY EAST HC FLARE	9868A, PSDTX102M7
66FL2	REFINERY WEST HC FLARE	9868A, PSDTX102M7
66FL3	REFINERY CAT FLARE	9868A, PSDTX102M7
66FLH12	ARDS HC FLARE HEADER	9868A, PSDTX102M7
66FLH1	REFINERY EAST HC FLARE HEADER	9868A, PSDTX102M7
66FLH2	REFINERY WEST HC FLARE HEADER	9868A, PSDTX102M7
66FLH3	REFINERY CAT FLARE HEADER	9868A, PSDTX102M7
6H1	UNIT 6 HYDRO PREHEATER	9868A, PSDTX102M7
6H3	BHU REDUCTION FURNACE	9868A, PSDTX102M7
7E1	ENGINE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
7E2	ENGINE	9868A, PSDTX102M7
7E3	ENGINE	9868A, PSDTX102M7
7E4	ENGINE	9868A, PSDTX102M7
7E5	ENGINE	9868A, PSDTX102M7
7E6	ENGINE	9868A, PSDTX102M7
7H1	HEATER	9868A, PSDTX102M7
7H2	HEATER	9868A, PSDTX102M7
7H3	HEATER	9868A, PSDTX102M7
7H4	HEATER	9868A, PSDTX102M7
8001	TANK STORAGE	9868A, PSDTX102M7
8002	TANK STORAGE	9868A, PSDTX102M7
8010	TANK STORAGE	9868A, PSDTX102M7
8011	TANK STORAGE	9868A, PSDTX102M7
8012	TANK STORAGE	9868A, PSDTX102M7
8013	TANK STORAGE	9868A, PSDTX102M7
8014	TANK STORAGE	9868A, PSDTX102M7
8015	TANK STORAGE	9868A, PSDTX102M7
8031	TANK STORAGE	9868A, PSDTX102M7

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
8032	TANK STORAGE	9868A, PSDTX102M7
8033	TANK STORAGE	9868A, PSDTX102M7
8034	TANK STORAGE	9868A, PSDTX102M7
8035	TANK STORAGE	9868A, PSDTX102M7
8036	TANK STORAGE	9868A, PSDTX102M7
8037	TANK STORAGE	9868A, PSDTX102M7
81B17	REFINERY BOILER 2.4	85872, GHGPSDTX130, PSDTX1158M1
85B2	U40 BOILER STACK	9868A, PSDTX102M7
9200	TANK STORAGE	9868A, PSDTX102M7
9201	TANK STORAGE	9868A, PSDTX102M7
9202	TANK STORAGE	9868A, PSDTX102M7
93E1	ENGINE	9868A, PSDTX102M7
93E2	ENGINE	9868A, PSDTX102M7
9400	TANK STORAGE	9868A, PSDTX102M7
9401	TANK STORAGE	9868A, PSDTX102M7
9500	TANK STORAGE	9868A, PSDTX102M7
9501	TANK STORAGE	9868A, PSDTX102M7
9502	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
9503	TANK STORAGE	9868A, PSDTX102M7
9504	TANK STORAGE	9868A, PSDTX102M7
9600	TANK STORAGE	9868A, PSDTX102M7
9601	TANK STORAGE	9868A, PSDTX102M7
9700	TANK STORAGE	9868A, PSDTX102M7
9701	TANK STORAGE	9868A, PSDTX102M7
9702	TANK STORAGE	9868A, PSDTX102M7
98H1	REFORMER CHARGER HEATER	9868A, PSDTX102M7
9H1	CRUDE OIL HEATER	9868A, PSDTX102M7
BLR12	BOILER 12	85872, GHGPSDTX130, PSDTX1158M1
Do11	TANK STORAGE	9868A, PSDTX102M7
DD21	TANK STORAGE	9868A, PSDTX102M7
ENG-EB1	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB2	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB3	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB4	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB5	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB6	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ENG-EB7	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB8	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB9	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-SC-1	BACKUP COMPRESSOR ENGINE	106.512/06/13/2001
ENG-SD1	DIESEL ENGINE	106.512/06/13/2001
ENG-SD2	DIESEL ENGINE	106.512/06/13/2001
ENG-SD3	DIESEL ENGINE	106.512/06/13/2001
ENG-SD4	DIESEL ENGINE	106.512/06/13/2001
ENG-SD5	DIESEL ENGINE	106.512/06/13/2001
F-10	UNIT 10 FUGITIVES	9868A, PSDTX102M7
F-11	NGL DEETHANIZER UNIT FUG	9868A, PSDTX102M7
F-12	CRYOGENIC GAS PLANT FUG	9868A, PSDTX102M7
F-13	NGL CLEAN-UP UNIT FUG	9868A, PSDTX102M7
F-1-42	FUGITIVE UNIT	9868A, PSDTX102M7
F-1-6-PB	UNIT 1.6 - PB HEATER	9868A, PSDTX102M7
F-1-6	UNIT 1.6 FUGITIVES	9868A, PSDTX102M7
F-1-7	FUGITIVE UNIT	9868A, PSDTX102M7
F-1-7OLD	UNIT 1.7 FUGITIVES	9868A, PSDTX102M7

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
F-19-1	NAPHTHA HDS FUGITIVES	9868A, PSDTX102M7
F-19-2	REFORMER FUGITIVES	9868A, PSDTX102M7
F-19-3	DISTILLATE HDS FUGITIVES	9868A, PSDTX102M7
F-2-109/111	COL 109 AND 111 FUGITIVE	9868A, PSDTX102M7
F-2-1	NGL HDS UNIT FUGITIVES	9868A, PSDTX102M7
F-22	HF ALKYLATION FUGITIVES	9868A, PSDTX102M7
F-23	ST RUN FRACT FUGITIVES	9868A, PSDTX102M7
F-25	LSG FUGITIVES	43073
F-2-5	PROCESS FUGITIVES	9868A, PSDTX102M7
F-26	HO FCCU FRACT FUGITIVES	9868A, PSDTX102M7
F-28	UNIT 28 FUGITIVES	9868A, PSDTX102M7
F-29	GAS OIL FCCU 29 FUGITIVES	9868A, PSDTX102M7
F-2	UNIT 2 FUGITIVES	9868A, PSDTX102M7
F-32	UNIT 32 FUGITIVES	9868A, PSDTX102M7
F-34	SULFUR RECOVERY UNIT FUG	9868A, PSDTX102M7
F-35	UNIT 35 FUGITIVES	9868A, PSDTX102M7
F-36	UNIT 36 FUGITIVES	9868A, PSDTX102M7
F-40	HEAVY OIL FCCU FUGITIVES	9868A, PSDTX102M7

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
F-41	U41 FUGITIVES	9868A, PSDTX102M7
F-42	ARDS UNIT 42 FUGITIVES	9868A, PSDTX102M7
F-43	SULFUR HANDLING FUGITIVES	9868A, PSDTX102M7
F-44	UNIT 44 FUGITIVES	9868A, PSDTX102M7
F-4	BUTANE ISOM FUGITIVES	9868A, PSDTX102M7
F-50	COKER UNIT FUGITIVES	9868A, PSDTX102M7
F-51	VACUUM UNIT FUGITIVES	9868A, PSDTX102M7
F-53-1	REFINERY LOADING FUG	9868A, PSDTX102M7
F-53-2	NGL LOADING RACK	9868A, PSDTX102M7
F-54-C21	COOLING TOWER	9868A, PSDTX102M7
F-56	API TRAP FUGITIVES	9868A, PSDTX102M7
F-5	PENTANE ISOM FUGITIVES	9868A, PSDTX102M7
F-66-1	REF. FLARE AREA FUG	9868A, PSDTX102M7
F-66-2	NGL FLARE FUG	9868A, PSDTX102M7
F-66-3	ARDS/CAT AREA FUGITIVES	9868A, PSDTX102M7
F-66-FG	FUEL GAS SYSTEM FUGITIVE	9868A, PSDTX102M7
F-67	UNIT 67 FUGITIVES	9868A, PSDTX102M7
F-68-1A	ARDS STORAGE FUGITIVES	9868A, PSDTX102M7

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
F-68-1E	E. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-1N	N. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-1R	ROCKY STATION FUGITIVES	9868A, PSDTX102M7
F-68-1S	S. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-1T	TAUBMAN YARD FUGITIVES	9868A, PSDTX102M7
F-68-1W	W. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-2N	NORTH COBLE TANK FARM FUG	9868A, PSDTX102M7
F-68-2S	S. COBLE STORAGE FUG	9868A, PSDTX102M7
F-68-3	NGL WEST STORAGE FUG	9868A, PSDTX102M7
F-68-4N	N. COBLE STORAGE FUG	9868A, PSDTX102M7
F-68-4TA	JTF CAVERNS FUGITIVE	9868A, PSDTX102M7
F-68-4T	JTF FUGITIVES	9868A, PSDTX102M7
F-68-5	GASOLINE BLENDING SYSTEM	9868A, PSDTX102M7
F-6-A	UNIT 6 BHU, UNIT 7 HAT, COL 38, 130, 40 FUGITIVES	9868A, PSDTX102M7
F-6-B	COL 131, 39, 40 FUGITIVES	9868A, PSDTX102M7
F-6	HEXANE ISOM FUGITIVES	9868A, PSDTX102M7
F-7	PLATFORMER	9868A, PSDTX102M7
F-81	REFINERY BOILERS	9868A, PSDTX102M7

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
F-98	SMR FUGITIVE COMPONENTS	9868A, PSDTX102M7
F-9	UNIT 9 FUGITIVES	9868A, PSDTX102M7
FGR-FUG	FUGITIVES FLARE GAS RECOVERY SYSTEM	9868A, PSDTX102M7
FWP1	ENGINE	9868A, PSDTX102M7
FWP2	ENGINE	9868A, PSDTX102M7
FWP3	ENGINE	9868A, PSDTX102M7
FWP4	ENGINE	9868A, PSDTX102M7
FWP5	ENGINE	9868A, PSDTX102M7
HG86	TANK STORAGE	9868A, PSDTX102M7
MEROX	MEROX UNIT VENT	9868A, 106.261/11/01/2003, PSDTX102M7
SGC-FUG	COKER SGC FUGITIVES	106.261/11/01/2003, 106.262/11/01/2003
SKIDBLRFUG	SKID BOILER FUGITIVES	85872, GHGPSDTX130, PSDTX1158M1
SKIDBLR	SKID BOILER	85872, GHGPSDTX130, PSDTX1158M1
TK2530	VACUUM UNIT FEED TANK	9868A, PSDTX102M7
UF17	TANK STORAGE	9868A, PSDTX102M7
VD114	TANK STORAGE	9868A, PSDTX102M7
VF02	TANK STORAGE	9868A, PSDTX102M7
VF03	TANK STORAGE	9868A, PSDTX102M7

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
VF04	TANK STORAGE	9868A, PSDTX102M7
VG08	SURGE DRUM	9868A, PSDTX102M7
VG49	TANK STORAGE	106.533/07/04/2004
VG50	TANK STORAGE	106.533/07/04/2004

Appendix A

Acronym List 259

Acronym List

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

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

Appendix B

Major NSR Summary Table.....261

Major NSR Summary Table

Permit Number: 9868A/PSDTX102M7		Issuance Date: 09/24/2014					
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
Emission Caps	See Attachment I for Source Name and Emission Point Number Index	NO _x	1,225.76	2,465.27	2, 9, 26, 33, 48, 50, 51, 52, 53, 54, 55, 56, 71	2, 9, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 71	47, 50, 51, 52, 54, 68, 71
		SO ₂	6,620.99	2,967.21	2, 7, 9, 28, 29, 33, 48, 52, 53, 54, 55, 56, 69, 71	2, 7, 9, 28, 29, 46, 48, 52, 53, 54, 55, 56, 57, 69, 71	52, 54, 68, 71
		VOC	1,681.08	3,472.84	2, 7, 9, 29, 30, 31, 33, 34, 35, 36, 37, 40, 41, 44, 45, 48, 53, 54, 55, 56, 71, 72	2, 7, 9, 13, 29, 30, 31, 35, 36, 37, 38, 40, 41, 42, 43, 45, 46, 47, 48, 53, 54, 55, 56, 57, 71, 72	30, 31, 40, 47, 54, 68, 71, 72
		CO	800.06	3,483.78	2, 9, 33, 48, 50, 51, 52, 53, 54, 55, 56, 71	2, 9, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 71	47, 50, 51, 52, 54, 68, 71
		PM	262.70	1,119.57	2, 9, 28, 48, 49, 52, 56, 60, 62, 63, 65, 66, 71	2, 9, 13, 28, 46, 48, 52, 56, 57, 60, 65, 71	48, 52, 60, 71
		NH ₃	0.58	2.47	6, 40, 72	6, 13, 40, 42, 57, 72	40, 72
		Cl ₂	1.24	5.41	18, 40	18, 40, 42, 57	40
		Benzene	12.18	20.28	2, 29, 30, 31, 33, 34, 35, 36, 37, 40, 41, 55, 56, 72	2, 13, 29, 30, 31, 35, 36, 37, 38, 40, 41, 42, 43, 55, 56, 57, 72	30, 31, 40, 68, 72
		H ₂ S	17.97	57.01	2, 7, 9, 12, 13, 14, 15, 28, 29, 33, 40, 48, 52, 55, 56, 65, 66, 69, 72	2, 7, 9, 13, 14, 28, 29, 40, 42, 48, 52, 55, 56, 57, 65, 69, 72	29, 15, 40, 52, 72
		HCl	0.04	0.20	2, 33, 40	2, 13, 40, 42, 57	40
		HF	0.44	1.90	16, 17, 18, 19, 22, 40	13, 16, 17, 18, 40, 42, 57	40
85B2	Unit 40 Boiler	NO _x	11.96	52.40	26, 29, 52, 53, 54, 55	29, 52, 53, 54, 55	29, 52, 54
		CO	42.85	187.70	52, 53, 54, 55	52, 53, 54, 55	52, 54
		VOC	3.23	14.13	30, 52, 53, 54, 55	30, 52, 53, 54, 55	30, 52, 54
		PM ₁₀	4.46	19.52	28, 29, 55	28, 29, 55	29
		SO ₂	18.68	81.83	28, 29, 52, 53, 54, 55	28, 29, 52, 53, 54, 55	29, 52, 54
29P1	Unit 29 FCCU Stack	NH ₃	9.75	42.71			
		HCl	0.45	1.96			

Major NSR Summary Table

Permit Number: 9868A/PSDTX102M7			Issuance Date: 09/24/2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
40P1	Unit 40 FCCU Stack	NH ₃	9.75	42.71			
		HCl	0.22	0.98			
34I1	SRU TGI	NO _x	0.19	0.82	52, 53, 54	52, 53, 54	52, 54
		CO	0.32	1.38	52, 53, 54	52, 53, 54	52, 54
		VOC	0.21	0.82	53, 54	53, 54	54
		PM ₁₀	0.03	0.13			
		SO ₂	0.01	0.01	28, 29, 31, 52, 53, 54	28, 29, 31, 52, 53, 54	29, 31, 52, 54
F-1-8	Mercox Process Fugitives ⁽⁵⁾	VOC	0.01	0.01	29, 34, 40, 41	29, 34, 40, 41, 42	40
HFTEMP	HF Temporary Tank Process Fugitives ⁽⁵⁾	HF	0.01	0.01	16, 17, 19, 22, 40, 41	16,17, 40, 41, 42	40
		VOC	0.01	0.02	34, 40, 41	34, 37, 40, 41, 42	40
F-28-2-Ex	Unit 28 (2) Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.02	0.07	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-28-1-Ex	Unit 28 (1) Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.06	0.26	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-32-CIP	Unit 32 Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.04	0.18	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-10B-Ex	Unit 10B Train Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.10	0.43	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-9-Ex	Unit 9 Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.06	0.26	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-10A-Ex	Unit 10a Train Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.06	0.25	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40

Major NSR Summary Table

Permit Number: 9868A/PSDTX102M7			Issuance Date: 09/24/2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
F-67	Crude Unit Pump 67 Fugitives (5)	VOC	0.01	0.05	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-56-1-4-A(2&5)	West DAF	VOC	0.99	4.36	30	30	30
		NH ₃	0.24	1.06			
		H ₂ S	1.81	7.91			
F-56-1-12	Flash Mixing	VOC	0.01	0.03	30	30	30
		NH ₃	0.01	0.01			
		H ₂ S	0.01	0.06			
F-56-1-17	Flocculation	VOC	0.03	0.13	30	30	30
		NH ₃	0.01	0.03			
		H ₂ S	0.05	0.24			
53R4	Sulfur Loading	PM	0.23	0.17		13	
		PM ₁₀	0.23	0.17		13	
		PM _{2.5}	0.23	0.17		13	
		H ₂ S	6.93	5.06		13	
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Routine Emissions	VOC	121.47	53.21	2, 29, 30, 31, 33	2, 29, 30, 31, 38	29, 30, 31, 68
		NO _x	17.22	7.55	2, 33	2, 38	68
		CO	109.86	48.12	2, 33	2, 38	68
		SO ₂	100.14	43.85	2, 33	2, 38	68
		H ₂ S	1.55	0.68	2, 33, 70	2, 38, 70	
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Fuel Gas Long Scenario	VOC	121.47	141.82	2, 29, 30, 31, 33	2, 29, 30, 31	29, 30, 31, 68
		NO _x	17.22	29.96	2, 33	2	68
		CO	110.11	192.91	2, 33	2	68
		SO ₂	100.14	7.35	2, 33	2	68
		H ₂ S	1.55	0.15	2, 33, 70	2, 70	

Major NSR Summary Table

Permit Number: 9868A/PSDTX102M7			Issuance Date: 09/24/2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FGR-FUG	FGR Fugitives	VOC	5.20	22.79	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
		H ₂ S	0.01	0.01	40	40, 42	40
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Flare Gas MSS	VOC	121.47	35.00	2, 33	2	
		NO _x	17.22	6.13	2, 33	2	
		CO	109.86	34.30	2, 33	2	
		SO ₂	100.14	250.90	2, 33	2	
		H ₂ S	1.55	2.23	2, 33, 70	2, 70	
F-43WHB	Waste Heat Boiler Fugitives	SO ₂	0.01	0.01	40, 41	40, 41, 42	40
		H ₂ S	0.01	0.01	40, 41	40, 41, 42	40

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
 NH₃ - ammonia
 Cl₂ - chlorine
 H₂S - hydrogen sulfide
 HCl - hydrogen chloride
 HF - hydrogen fluoride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Major NSR Summary Table

Permit Number: 85872/PSDTX1158M1			Issuance Date: 09/04/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY(4)**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SKIDBLR	Skid Boiler	NO _x	5.47	25.33	10, 13, 16, 17	10, 16, 20	15, 21
		NO _x (MSS)	38.28		10, 16, 17, 18	10, 16, 20	21
		CO	22.98	109.53	11, 13, 16, 17	16, 20	15, 21
		CO (MSS)	269.11		11, 16, 17, 18	16, 20	21
		PM/PM ₁₀	2.72	11.90	3, 11	3, 10, 11, 20	
		PM _{2.5}	2.72	11.90	3, 11	3, 10, 11, 20	
		VOC	1.97	8.61		20	
		SO ₂	12.57	20.65	4, 10	4, 10, 20	
		NH ₃	2.80	12.26	5, 6, 13	20	15
81B17	Boiler 2.4	NO _x	53.24	71.50		20	
	Pre-modification	CO	23.12	31.04	11	11, 20	
		PM ₁₀ /PM _{2.5}	3.44	4.63	3, 11	3, 11, 20	
		VOC	2.49	3.35		20	
		SO ₂	14.43	7.27	4	4, 20	
81B17	Boiler 2.4 (5)	NO _x	18.49	82.35	13, 16, 17	16, 20	15, 21
	Post-modification	NO _x (MSS)	48.54		16, 17, 18	16, 20	21
		CO	29.14	139.45	11, 13, 16, 17	11, 16, 20	15, 21
		CO (MSS)	291.43		11, 16, 17, 18	11, 16, 20	21
		PM/PM ₁₀ /PM _{2.5}	3.44	15.09	3, 11	3, 11, 20	
		VOC	2.49	10.92		20	
		SO ₂	15.94	26.19	4, 10	4, 10, 20	
BLR12	Boiler 12 (5)	NO _x	8.40	38.61	10, 13, 16, 17	10, 16, 20	15, 21
		NO _x (MSS)	58.80		10, 16, 17, 18	10, 16, 20	21
		CO	35.30	166.06	11, 13, 16, 17	11, 16, 20	15, 21
		CO (MSS)	353.02		11, 16, 17, 18	11, 16, 20	21
		PM/PM ₁₀ /PM _{2.5}	4.17	18.28	3, 11	3, 10, 11, 20	
		VOC	3.02	13.23		20	
				SO ₂	19.31	31.72	4, 10	4, 10, 20
		NH ₃	4.29	18.80	5, 6, 13	20	15

Permit Number: 85872/PSDTX1158M1			Issuance Date: 09/04/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY(4)**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUG	Boiler Fugitives(6)	VOC	0.09	0.41	4, 9	4, 9, 20	
		NH ₃	0.12	0.50	5, 8	8, 17, 20	
MSSFUG	Planned Maintenance Activities	NO _x	<0.01	<0.01		20	
		CO	<0.01	<0.01		20	
		VOC	14.58	0.55		20	
		PM/PM ₁₀ /PM _{2.5}	0.16	0.02		20	
		SO ₂	<0.01	<0.01		20	
		NH ₃	<0.01	<0.01		20	

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. Annual emission rates include emissions from MSS.
- (5) Planned MSS for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (6) Emission rate is an estimate only and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Major NSR Summary Table

Permit Number: GHGPSDTX130				Issuance Date: 09/04/2015		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY(4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
SKIDBLR	Skid Boiler	N ₂ O (5)	2	7, 9, 10	9, 12	
		CH ₄ (5)	10	7, 8, 9, 10	9, 12	
		CO ₂ (5)	188,441	7, 8, 9, 10	6, 9, 12	6
		CO ₂ e	189,251	7, 8, 9, 10	6, 9, 12	6
81B17	Boiler 2.4	N ₂ O (5)	2	7, 9, 10	9, 12	
		CH ₄ (5)	12	7, 8, 9, 10	9, 12	
		CO ₂ (5)	238,938	7, 8, 9, 10	6, 9, 12	6
		CO ₂ e	239,963	7, 8, 9, 10	6, 9, 12	6
BLR12	Boiler 12	N ₂ O (5)	3	7, 9, 10	9, 12	
		CH ₄ (5)	15	7, 8, 9, 10	9, 12	
		CO ₂ (5)	289,430	7, 8, 9, 10	6, 9, 12	6
		CO ₂ e	290,675	7, 8, 9, 10	6, 9, 12	6
FUG	Boiler Fugitives (6)	CH ₄ (5)	8	4		
		CO ₂ e	192	4		
MSSFUG	Planned Maintenance Activities (6)	CH ₄ (5)	1	8		
		CO ₂ e	19	8		

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) CH₄ - methane
 CO₂ - carbon dioxide
 N₂O - nitrous oxide
 CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014): CO₂ (1), N₂O (298), CH₄ (25), and SF₆ (22,800).
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These emissions rates include maintenance, startup, and shutdown.
- (5) Emissions rate is given for informational purposes only and does not constitute an enforceable limit.
- (6) Emissions rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT



A Flexible Permit Is Herby Issued To
PHILLIPS 66 COMPANY
Authorizing the Construction and Operation of
Borger Refinery
Located at **Borger, Hutchinson County, Texas**
Latitude 35° 41' 58" Longitude -101° 21' 36"

Permits: 9868A and PSDTX102M7

Amendment Date: September 24, 2014

Renewal Date: November 22, 2015

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the executive director of the Texas Commission on Environmental Quality (commission) to amend this permit in that regard and such amendment is approved. It shall be unlawful for any person to vary from such representation or flexible permit provision if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in a significant increase in emissions, unless application is made to the executive director to amend the flexible permit in that regard and such amendment is approved by the executive director. [Title 30 Texas Administrative Code 116.721 (30 TAC 116.721)]
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
3. **Construction Progress.** The start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.715(c)(2)]
4. **Start-up Notification.** The appropriate regional office of the commission and any local program having jurisdiction shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. Phased construction, which may involve a series of facilities commencing operations at different times, shall provide separate notification for the commencement of operations for each facility. Prior to beginning operations of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program).
5. **Sampling Requirements.** If sampling of stacks or process vents is required, the flexible permit holder shall contact the commission's Engineering Services Section, Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the appropriate regional office of the commission. The flexible permit holder is also responsible for providing

sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.715(c)(4)]

6. **Equivalency of Methods.** It shall be the responsibility of the flexible permit holder to demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the flexible permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.715(c)(5)]
7. **Recordkeeping.** A copy of the flexible permit along with information and data sufficient to demonstrate continuous compliance with the emission caps and individual emission limitations contained in the flexible permit shall be maintained in a file at the plant site and made available at the request of personnel from the commission or any air pollution control program having jurisdiction. For facilities that normally operate unattended, this information shall be maintained at the nearest staffed location within Texas specified by the permit holder in the permit application. This information may include, but is not limited to, emission cap and individual emission limitation calculations based on a 12-month rolling basis and production records and operating hours. Additional recordkeeping requirements may be specified in special conditions attached to the flexible permit. Information in the file shall be retained for at least two years following the date that the information or data is obtained. [30 TAC 116.715(c)(6)]
8. **Maximum Allowable Emission Rates.** A flexible permit covers only those sources of emissions and those air contaminants listed in the table entitled "Emission Sources, Emissions Caps and Individual Emission Limitations" attached to the flexible permit. Flexible permitted sources are limited to the emission limits and other conditions specified in the table attached to the flexible permit. [30 TAC 116.715(c)(7)]
9. **Emission Cap Readjustment.** If a schedule to install additional controls is included in the flexible permit and a facility subject to such a schedule is taken out of service, the emission cap contained in the flexible permit will be readjusted for the period the unit is out of service to a level as if no schedule had been established. Unless a special provision specifies the method of readjustment of the emission cap, a permit alteration shall be obtained. [30 TAC 116.715(c)(8)]
10. **Maintenance of Emission Control.** The facilities covered by the flexible permit shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. Notification for emissions events and scheduled maintenance shall be made in accordance with 30 TAC 101.201 and 101.211 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; and Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping). [30 TAC 116.715(c)(9)]
11. **Compliance with Rules.** Acceptance of a flexible permit by a permit applicant constitutes an acknowledgment and agreement that the holder will comply with all Rules, Regulations, and Orders of the commission issued in conformity with the Texas Clean Air Act (TCAA) and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or flexible permit condition are applicable, then the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the flexible permit. [30 TAC 116.715(c)(10)]
12. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
13. **There** may be additional special conditions attached to a flexible permit upon issuance or amendment of the permit. Such conditions in a flexible permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.715(d)]
14. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in Texas Health and Safety Code 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
15. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit

SPECIAL CONDITIONS

Flexible Permit Numbers 9868A and PSDTX102M7

Emission Caps and Individual 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. **(5/03)** The sources listed in Attachment A are authorized either by Permit by Rule (PBR) in Title 30 Texas Administrative Code Chapter 106 (30 TAC 106) or by Standard Permit (SP) in Title 30 Texas Administrative Code Chapter 116, Subchapter F (30 TAC 116, Subchapter F). **(09/13)**

Operational Parameters

2. Flares shall be designed and operated in accordance with the following requirements:
 - A. The combined refinery fuel natural gas and waste stream to the flare shall meet the Title 40 Code of Federal Regulations § 60.18 (40 CFR § 60.18) specifications of minimum heating value and maximum tip velocity under normal, upset, and maintenance flow conditions. Compliance with this condition shall be demonstrated by monitoring required in Section D below. Flare testing per 40 CFR § 60.18(f) may be requested by the Texas Commission on Environmental Quality (TCEQ) Regional Office, in addition to New Source Performance Standards (NSPS) or federal requirements, to demonstrate compliance with this condition.
 - B. The flare(s) shall be operated with a flame present at all times, have a constant pilot flame, or have an automatic reignition system. The pilot flame shall be monitored by a thermocouple, an infrared monitor, or equivalent device as defined by 40 CFR § 60.18 and 40 CFR § 63.11. 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. **(11/05)**
 - C. The flares 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 (for steam-assisted flares).
 - D. The holder of this permit shall install a continuous flow monitor on Flare Emission Point Nos. (EPNs) 66FL1, 66FL2, 66FL3, 66FL4, 66FL6, and 66FL12 that provides a record of the vent stream flow to each flare. The flow monitor sensors should be installed in the vent stream such that the total vent stream to the flare is measured. The average hourly values of the flow shall be recorded and maintained electronically. The holder of this permit shall record the daily average flow rate (24-hour average) to each flare and the hourly average during upset conditions. Records of the flows shall be maintained for a period of two years and be made available to the Executive Director of the TCEQ upon request. **(05/08)**

The continuous flow monitor shall operate as required by this section at least 95 percent of the time when the flare is operational, averaged over a rolling 12-month period. **(11/05)**

The holder of this permit shall conduct an analysis (grab sample) of the flare composition (total volatile organic compounds [VOC], hydrogen sulfide [H_2S], and Btu content) on a semiannual basis (once during the summer months and once during the winter months). The sampling shall be conducted such that the total vent stream to the flare is included in the analysis. Records of the grab sampling results shall be maintained for a period of five years and made available to representatives of the TCEQ upon request. **(04/05)**

Contingency Plan for Sulfur Recovery Unit (SRU) Complex

3. Should there be a loss of sulfur recovery potential from the claus trains, tail gas treating unit (TGTU) front-ends, TGTU back-end, or tail gas incinerators (TGIs), the following step shall be taken immediately (not to exceed eight hours) from the start of the event: The acid gas shall be rerouted to the operating backup equipment at the remaining sulfur recovery trains. (PSD) **(05/03)**
4. The SRU 43 and SRU 34 shall be capable of routing acid gas from one SRU to the other. (PSD)
5. All acid gas streams from the amine regeneration units containing H_2S shall be routed to the SRUs or other process units. (PSD) **(05/03)**
6. The acid gas exiting the waste heat boilers shall be sampled for ammonia (NH_3) on a monthly basis, and the NH_3 concentration shall not exceed 300 parts per million by volume (ppmv) at any time. Drager tubes or another sampling method, as approved by the TCEQ, shall be used to sample for NH_3 .

Records of the sampling time, date, and sampling results shall be maintained for a period of three years and made available to representatives of the TCEQ upon request. The sampling results shall be in terms of ppmv. This condition does not become effective for SRU 34 until the sour water stripper (or NH_3 stripper) overheads are tied into SRU 34. (PSD) **(03/00)**

7. The following shall apply to sour water stripper systems:
 - A. During routine operations, sour water stripper systems "A" and "B" shall process only sour water from Units 41, 42, 43, 44, 45, and 50. By design, these units produce sour water generally containing hydrocarbons with ten or fewer carbons and no more than 2 percent hydrocarbons with 12 or more carbons. A hydrocarbon sensor shall be operated to detect the presence of hydrocarbon in the sour water being processed at Unit 42. Additionally, a hydrocarbon detector shall be operated in the Unit 44 sour water feed drums to produce an alarm when hydrocarbon is present below the normal operating water level in these drums.

The Coker Unit sour water tank shall have a minimum on-line retention time of three days. The tank shall be equipped with an oil skimming system, and shall be equipped with a hydrocarbon detection probe to determine the level of the hydrocarbon/water interface. **(11/05)**

- B. The refinery Sour Water Tank (Tank No. 3003) shall have a minimum on-line retention time of 1.7 days, and the tank effluent shall be routed to the Unit 29 sulfide stripper prior to being routed to the Unit 44 refinery Sour Water Stripper (stripper "C"). Tank No. 3003 shall be equipped with an oil skimming system. Tank No. 3003 shall be equipped with a hydrocarbon detection probe ("Agar" brand capacitance probe or equivalent) to determine the level of the hydrocarbon/water interface. This interface level may also be determined manually from a tricock system on the tank shell. **(11/05)**
- C. The refinery sour water shall be routed through an oil/water separator prior to entering Tank No. 3003. A hydrocarbon detection system ("Agar" brand capacitance probe or equivalent) shall be installed and operated in the line from the Unit 29 sulfide stripper to the refinery sour water stripper "C." Records of flow rates shall be maintained on-site and made available to the TCEQ Executive Director or a representative upon request. **(11/05)**
- D. The readouts for the hydrocarbon/water interface level sensor in Tank No. 3003 and the hydrocarbon sensor in the line to the refinery sour water stripper "C" shall be transmitted to a control room. An alarm shall be transmitted to a control room when either sensor detects the presence of excess hydrocarbons and upon the activation of either alarm the following corrective actions shall be taken:
- (1) The permit holder shall examine SRU operation to determine whether the presence of hydrocarbons in the sour water feed appears to be disrupting SRU operations;
 - (2) If the presence of hydrocarbons appears to be disrupting SRU operations in a manner that could result in excessive emissions, the permit holder shall stop the feed to sour water stripper "C," and
 - (3) The permit holder shall identify and correct the cause of the high hydrocarbon content prior to resuming sour water feed to the stripper.
- Records shall be kept of all instances in which alarms require subsequent corrective actions, indicating what actions were taken. **(12/04)**
- E. Records shall be kept of all instances of Unit 29 sulfide stripper downtime and made available to the TCEQ Executive Director or a representative upon request. (PSD) **(12/04)**
8. A TGI 34 shall be operated with no less than 1.5 percent oxygen (O₂), dry, in the incinerator stack and at no less than 1170°F incinerator firebox exit temperature.

A TGI 43 shall be operated with no less than 1.0 percent O₂ in the incinerator stack and at no less than 1180°F incinerator firebox exit temperature.

If stack testing indicates that a higher temperature or excess O₂ is necessary to obtain a minimum H₂S destruction efficiency of 99.9 percent or 5 ppmv (corrected to 3 percent excess O₂) reduced sulfur compound exit concentration, then the temperature and excess O₂ maintained during the stack test will become the new minimum operating limits. (PSD) **(03/00)**

The merox production unit VOC containing off gas stream shall be directed to EPN 34I1 during normal operation of the merox production unit. The merox production unit VOC containing off gas stream can also be directed to the flare designated as EPN 66FL4 when EPN 34I can not receive this merox production unit VOC containing off gas stream. **(02/11)**

9. The firebox temperature for each incinerator shall be continuously monitored and recorded at least once every four hours. In addition, continuous recording shall be required for all periods for which the temperature is below the minimum firebox temperature. If a continuous recorder is not available, manual readings recorded every 15 minutes shall be considered continuous recording.

Each temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5°C.

Quality-assured (or valid) data must be generated when the incinerator is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the incinerator operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded. (PSD) **(11/05)**

10. The SRU TGIs shall operate with no visible emissions except for uncombined steam. (PSD)
11. The SRU thermal reactors shall at all times be operated with a stable flame and the flame temperature shall not be less than 2000°F. All sour water stripper gas shall be introduced to the front of the thermal reactor and none shall enter the side. These requirements become effective for SRU 34 when the sour water stripper (or NH₃ stripper) overheads are tied into Unit 34. (PSD) **(08/01)**
12. There shall be 45 H₂S monitors placed throughout the sulfur recovery, amine regeneration, and sour water stripping areas. These monitors shall be arranged in such a way that coverage is provided for wind directions varying through 360 degrees. The existing monitors shall be set to alarm at a concentration of 10 ppmv and shall alarm in the control room. (PSD)

13. Records shall be maintained indicating the truck or railcar loaded, loading start and stop date and time, and the volume or weight of the sulfur loaded. **(07/13)**

Piping, Valves, Pumps and Compressors in H₂S Service

14. This condition applies in the sulfur recovery, amine regeneration, Unit 19.3 hydrodesulfurization, sour water stripping areas and EPN F-Tier3. **(09/14)**
 - A. Audio, visual, and olfactory (AVO) checks for H₂S leaks within the operating area shall be made once per shift.
 - B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take the following actions:
 - (1) Stop the leak by taking the equipment out of service or bypass the equipment so that it is no longer in service.
 - (2) Isolate the leak.
 - (3) Commence repair or replacement of the leaking component.
 - (4) If the leak cannot be repaired within six hours, the holder of this permit shall use a leak collection or containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

Records shall be maintained at the plant site of the time leaks were detected and all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request.

15. Sulfur produced and handled by SRU 43 shall be degassed to a concentration of no more than 15 parts per million by weight (ppmw) H₂S at the sulfur pit. The sulfur pit shall be connected to a vapor collection system which routes the recovered vapors back into the process or to the TGI. Alternative designs for controlling emissions from sulfur handling equipment can be submitted to the TCEQ, Office of Air, Air Permits Division and the TCEQ Amarillo Regional Office for consideration. The holder of this permit shall test the H₂S concentration (in ppmw) of the sulfur produced by SRU 34 at the sulfur pit to confirm that the concentration is less than or equal to 300 ppmw. Sampling methods and procedures must be approved by the TCEQ Regional Director prior to sampling. The TCEQ Executive Director or designated representative shall be afforded the opportunity to observe all such sampling. The sampling required in the previous paragraph of this condition shall occur within six months of completion of construction of the replacement loading rack and, after that, at least once every 12 months. Within 30 days after such sampling is completed, a copy of the final sampling report shall be forwarded to the TCEQ Regional Office. **(07/13)**

Piping, Valves, Pumps, and Compressors in Hydrogen Fluoride (HF) Service-AVO

16. A. The AVO checks for HF leaks within the operating area shall be made every four hours.

- B. Immediately, but no later than one hour upon detection of a leak during the day shift, plant personnel shall take the following actions:
 - (1) Stop the leak by taking the equipment out of service or bypass the equipment so that it is no longer in service.
 - (2) Isolate the leak.
 - (3) Commence repair or replacement of the leaking component.
 - (4) If the leak cannot be repaired within six hours, the holder of this permit shall use a leak collection or containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.
 - C. The above actions shall be taken immediately, but no later than one hour into the next day shift upon detection of a leak by night shift personnel.
 - D. Records shall be maintained at the plant site of the time leaks were detected and all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request.
17. All waste gas streams containing HF shall be routed to a caustic scrubber system operating with a 99 percent HF removal efficiency prior to being routed to a flare. The circulation rate of the neutralization solution shall be checked and recorded every four hours. The caustic concentration of the neutralization solution shall be checked every 12 hours. The caustic concentration shall be checked more frequently during turnarounds or following unit unplanned maintenance, startup and shutdown activities. The caustic neutralization strength shall be maintained at no less than 0.8 percent (weight). The only exception would be during upset or maintenance events. In those cases, when the caustic concentration goes below 0.8 percent (weight), the caustic strength shall be raised as quickly as possible. Records of the caustic concentration shall be maintained on-site for a period of three years and made available to representatives of the TCEQ upon request. **(04/11)**
18. The cooling water shall be continuously monitored and recorded for pH at the Unit 22 cooling tower inlet. There shall be an alarm in the HF unit control room and/or HF plant area should the pH fall below five. Corrective action shall be taken immediately if the pH is less than five. If the continuous pH monitoring system is not operational, the holder of this permit shall begin recording pH manually once per shift, beginning with the shift following the monitoring system failure. The continuous pH monitoring system will be repaired within 15 days. **(08/01)**
19. The HF detection paint shall be used on all potential fugitive sources and possible leak sites. Locations with HF detection paint shall be inspected every four hours during the AVO checks required by the HF AVO condition. If leaks are detected, corrective action shall be taken immediately as described in the HF AVO condition. **(11/05)**
20. In the event of an HF release which may have the potential for off-site impacts, the holder of this permit shall implement the procedures outlined in the permit holder's emergency contingency and response plans.

21. There shall be no overhead work in the HF process unit where equipment is being lifted over unprotected vessels or lines without first completing a safe work checklist in accordance with Occupational Safety and Health Administration Process Safety Management rules. The safe work checklist shall be used to ensure that every effort is made to minimize the potential for an accident that would result in loss of integrity of HF-containing equipment.
22. The holder of this permit shall abide by the HF ambient monitoring program submitted September 25, 1996 and revised June 5, 1997. **(11/05)**
23. The maximum allowable concentrations and emissions of the following pollutants from Fluid Catalytic Cracking Unit (FCCU) Nos. 29 and 40 are included in best available control technology (BACT) short-term and annual cap calculations. The emissions cap based upon FCCU BACT emission levels shall be achieved no later than the date outlined in the BACT Implementation Schedule.

The CO concentration in the stack shall be maintained less than 500 ppmv on an hourly average at 0 percent oxygen when venting through the Units 29 and 40 FCCU stacks. **(12/06)**

24. Opacity of emissions from both FCCU's shall not exceed 20 percent except for those periods described in Title 30 Texas Administrative Code § 111.111 (a)(1)(E) [30 TAC § 111.111 (a)(1)(E)]. (PSD) **(08/08)**
25. Sulfur dioxide (SO₂) emissions from the FCCU Unit 29 and FCCU Unit 40 regenerators (EPN's 29P1 and 40P1) shall be 25 parts per million by volume dry (ppmvd) or lower on a 365-day rolling average basis and 50 ppmvd or lower on a seven-day rolling average basis at 0 percent O₂. **(08/08)**

Nitrogen oxides (NO_x) emissions from FCCU Unit 29 designated as EPN 29P1 shall be 20 ppmvd on a 365-day rolling average basis at zero percent oxygen (O₂) and 40 ppmvd on a seven-day rolling average basis at zero percent O₂, effective May 31, 2012. **(2/11)**

26. After completion of the BACT and Implementation Schedule, all Fired Units, with the exception of those listed below, shall be capable of operating with a combined hourly average NO_x emission factor of 0.06 pound (lb) NO_x/MMBtu based upon represented maximum firing rates. If an average NO_x factor of 0.06 lb NO_x/MMBtu is not obtained, the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap. (PSD) **(12/06)**

EPN	Facility
34I1	SRU Incinerator
43I1	SCOT Unit Incinerator (A and B - common stack)
85B2	Unit 40 Boiler
98H1	Unit 98 Reformer Furnace

EPN	Facility
29H2	Unit 29 Preheater
50H1	Coker Unit 50 Charge Heater
51H1	Vacuum Unit 51 Charge Heater

27. Emissions of NO_x from the stacks of the following heaters shall not exceed 0.035 pound per million British thermal units (lb/MMBtu) based on higher heating value: **(04/05)**
- Unit 98 Reformer Furnace (EPN 98H1)
- Vacuum Unit Charge Heater (EPN 51H1)
- Coker Charge Heater (EPN 50H1)
- Beginning January 1, 2013, the Unit 41 SMR heater, EPN 41H1, shall achieve a NO_x emission limit of 0.01 lb/MMBtu (365 day rolling average) at a maximum capacity of 729 MMBtu/hr HHV (365 day rolling average). **(01/13)**
28. Fuel gas used to fire all heaters, boilers, and TGIs shall not exceed an H₂S concentration of 162 ppmv for the short-term and 60 ppmv for the annual average. The H₂S concentration in the fuel shall be continuously monitored and recorded according to NSPS, Subpart J requirements. (PSD)
29. This facility shall comply with all applicable requirements of EPA regulations on Standards of Performance for New Stationary Sources in 40 CFR Part 60 promulgated for the following: (PSD) **(02/13)**
- (1) Petroleum Refineries, Subparts A, J, and Ja;
 - (2) Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction or Modification Commenced After July 23, 1984, Subparts A and Kb;
 - (3) Equipment Leaks of Volatile Organic Compounds (VOC) in Petroleum Refineries, Subparts A and GGG, for affected facilities that commenced construction, reconstruction, or modification after January 4, 1983, and on or before November 7, 2006;
 - (4) Equipment Leaks of Volatile Organic Compounds (VOC) in Petroleum Refineries, Subparts A and GGGa, for affected facilities that commenced construction, reconstruction, or modification after November 7, 2006; **(09/13)**
 - (5) VOC Emissions from Petroleum Refinery Wastewater Systems, Subparts A and QQQ;

- (6) Petroleum Liquid Storage Vessels for which Construction, Reconstruction, or Modification Occurred after June 11, 1973 and Prior to May 19, 1978, Subparts K and A; and
 - (7) Storage Vessels for Petroleum Liquids for which construction, Reconstruction, or Modification Commenced after May 18, 1978 and Prior to July 23 1984, Subparts Ka and A.
30. This facility shall comply with all applicable requirements of EPA regulations on National Emission Standards for Hazardous Air Pollutants in 40 CFR Part 61 promulgated for the following: (PSD) **(02/13)**
- A. Equipment Leaks, Subparts V and A;
 - B. Benzene Waste Operations, Subparts A and FF.
31. This facility shall comply with all applicable requirements of EPA regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63 promulgated for the following: (PSD) (02/2013)
- A. Petroleum Refineries, Subparts CC and A; and
 - B. Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur-Recovery Units, Subparts UUU and A.
32. The opacity from all heaters, boilers, etc., shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(E). **(12/06)** (PSD)
33. The EPNs 66FL8, 66FL10, and 66FL11 will obtain a 98 percent hydrocarbon destruction efficiency.

The holder of this permit shall perform annual testing of the flare headers to determine actual emissions from the flares. The sampling information, flare operating time, and the demonstrated 98 percent destruction efficiency shall be used to determine flare actual emissions.

The holder of this permit shall submit test plans and schedules to the TCEQ Regional Office no less than 45 days prior to sampling to schedule a pretest meeting and to give the TCEQ an opportunity to comment, propose modifications, approve, and monitor the tests. Information to be included in the test plan and schedule shall include:

- A. Date for pretest meeting.
- B. Date(s) sampling will occur.
- C. Name of firm conducting the sampling.
- D. Type of sampling equipment to be used.

- E. Method or procedure to be used in sampling.
- F. Additional parameters to be monitored to ensure that the baseline is not exceeded from one annual test to the next.

The TCEQ Regional Director must approve any continuous or periodic monitoring system proposed for compliance with the annual testing requirements of this condition. **(04/05)**

- 34. Atmospheric relief valves in VOC service that are not equipped with rupture discs shall be checked for leaks on a quarterly basis with an approved gas analyzer. A leak shall be defined as 500 ppmv. There shall be no variance for inaccessible valves. All leaking valves shall be repaired or replaced at the earliest opportunity but not later than the next scheduled process shutdown. **(11/05)**

Storage and Loading of VOC

- 35. Storage tanks are subject to the following requirements. The control requirements specified in paragraphs A through D of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.50 psia at the maximum feed temperature or 95°F, whichever is greater, or (2) to storage tanks smaller than 25,000 gallons. (Parts A through D are not necessary if you are only authorizing fixed-roof tanks.) **(11/05)**
 - A. An internal floating deck or “roof” or equivalent control shall be installed in all tanks. The floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal.
 - B. An open-top tank containing a floating roof (external floating roof tank) which uses double seal or secondary seal technology shall be an approved control alternative to an internal floating roof tank provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim-mounted. A weathershield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.
 - C. For any tank equipped with a floating roof, the permit holder shall perform the visual inspections and seal gap measurements as specified in 40 CFR § 60.113b, Testing and Procedures (as amended at 54 FR 32973, Aug. 11, 1989), to verify fitting and seal integrity. Records shall be maintained of the dates seals were inspected and seal gap measurements made, results of inspections and measurements made (including raw data), and actions taken to correct any deficiencies noted.
 - D. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 dated November 1, 1998, except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.

- E. Except for logos, slogans and similar displays (not to exceed 15 percent of the vertical tank shell area), uninsulated tank exterior surfaces exposed to the sun shall be white, aluminum, or other equivalent color. Storage tanks must be equipped with permanent submerged fill pipes. **(12/06)**
- F. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12-month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures.

Emissions for tanks shall be calculated using: the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."

- G. Tanks taken out of hydrocarbon service, for any reason, do not have to have any controls in place during the time they are out of service.
- H. Any slotted guidepole in an external floating roof equipped storage vessel that is an affected facility pursuant to 40 CFR §§ 60.110a or 60.110b (NSPS, Subpart Ka or Kb), will be subject to a requirement to have either a pole float system or a pole sleeve system as described below installed.

Pole Float System - Each opening through the deck of the floating roof for a slotted guidepole shall be equipped with a deck cover, a pole wiper, and a pole float. The deck cover shall also be equipped with a gasket between the cover and deck. The wiper or seal of the pole float shall be at or above the height of the pole wiper.

Pole Sleeve System - Each opening through the deck of the floating roof for a slotted guidepole shall be equipped with a deck cover, a pole wiper and a pole sleeve. The deck cover shall be equipped with a gasket between the cover and the deck. The sleeve extends into the stored liquid.

Maintenance of the pole sleeve system or the pole float system is required as follows:

A "sleeve" or sliding cover shall be in place over the slotted-guidepole opening through the floating roof at all times except when the sliding cover must be removed for access.

If the control technology used includes a guidepole float, the float shall be floating within the guidepole at all times except when it must be removed for access to the stored liquid or when the tank is empty.

Visually inspect the deck fitting for the slotted guidepole at least once every ten years and each time the vessel is emptied and degassed. If the slotted guidepole deck fitting or control devices have defects or if a gap of more than 0.32 centimeter (1/8 inch) exists between any gasket required for control of the slotted guidepole deck fitting and any surface that it is intended to seal, such items shall be repaired before filling or refilling the storage vessel with regulated material. **(8/01)**

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36. The emissions from compounds being loaded into tank trucks and/or railcars having a vapor pressure of greater than or equal to 0.5 psia at 100°F shall be collected and routed Thermal Oxidizer Unit (EPN 53FL1) or the following Flares (EPNs 66 FL1, -66FL2, -66FL3, -66FL4, or -66FL12). The thermal oxidizer unit shall be operated to ensure at least a 98 percent destruction efficiency of the VOC loading emissions or a VOC exit concentration of less than 20 ppmv, dry, corrected to 3 percent O₂. The required destruction efficiency of the flares shall be demonstrable by operation in compliance with Special Condition (SC) No. 2 of this permit. **(09/08)**

The oxidizer exit temperature shall be continuously monitored and the temperature readings shall be reduced to an averaging period of six minutes or less and recorded at that frequency. The exit temperature shall be maintained greater than 105°F or the temperature maintained during the last stack test performed in accordance with the stack sampling condition. Loading shall be secured immediately if this temperature cannot be maintained. In lieu of routing to a thermal oxidizer unit, collected emissions may be routed back into the process.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5°C.

Quality-assured (or valid) data must be generated when the thermal oxidizer is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the thermal oxidizer operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. **(11/05)**

37. Tank trucks handling compounds with a vapor pressure greater than or equal to 0.5 psia at 100°F shall be leak-tested annually according to the requirements of NSPS, Subpart XX. Tank trucks shall be checked for the presence of leak testing certifications prior to being loaded. Tank trucks which are in "pressure service" (designed and operated with a pressure of greater than 15 pounds per square inch, gauge [psig]) are exempt from the leak testing requirement; however, the trucks shall be certified as pressure tight according to their applicable Department of Transportation regulations. **(11/05)**
38. The permit holder shall maintain and update monthly an emissions record which includes calculated emissions of VOC from all loading operations over the previous rolling 12-month period. The record shall include the loading spot, control method used, quantity loaded in gallons, name of the liquid loaded, vapor molecular weight, liquid temperature in degrees Fahrenheit, liquid vapor pressure in psia (at either the maximum loading temperature or the actual loading temperature), and liquid throughput for each month. Records of VOC temperature are not required to be kept for liquids loaded from unheated tanks which receive liquids that are at or below ambient temperatures. Emissions shall be

calculated using the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Loading Operations." **(11/05)**

39. The use of spew rods for gauging railcars and tank trucks in "pressure service" (designed and operated with a pressure of 15 psig or greater) shall either cease no later than December 31, 2005, or the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap for those compounds being loaded. **(11/05)**

Piping, Valves, Connectors, Pumps, Agitators, and Compressors - 28VHP

40. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment. **(06/12)**
- A. The requirements of paragraphs F and G shall not apply (1) where the VOC have an aggregate partial pressure or vapor pressure of less than 0.044 psia at 68°F or (2) to piping and valves two inches nominal size and smaller unless in fugitive areas F-9, F-10, F-28, F-23, F-36, F-32, F-1, F-2, F-2-1, F-2-5, F-4, F-5, F-6, F-7, F-11, F-19-1, F-19-2, or required by 40 CFR Part 63, Subpart H or CC, or (3) operating pressure is at least five kilopascals [0.725 pound per square inch (psi)] below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.
- The exempted components may be identified by one or more of the following methods:
- (1) piping and instrumentation diagram (PID);
 - (2) a written or electronic database or electronic file;
 - (3) color coding;
 - (4) a form of weatherproof identification; or
 - (5) designation of exempted process unit boundaries
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), API, American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
- 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. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe-to-monitor component is

not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe-to-monitor times. A difficult-to-monitor component for which quarterly monitoring is specified may instead be monitored annually.

- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be 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 an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

- (1) a cap, blind flange, plug, or second valve must be installed on the line or valve;
or
 - (2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72 hour period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.
- 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 gauge 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, compressor, and agitator 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 parts per million by volume (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, compressor, and agitator 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. A first attempt to repair the leak must be made within 5 days and a record of the attempt shall be maintained.
- I. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, 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 within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.
- J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.

- 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 New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.
41. For purposes of establishing the emission caps for this flexible permit, implementation of the 28 VHP Leak Detection and Repair (LDAR) program and the appropriate reduction credits were utilized. If any other LDAR program is used for a set of components subject to this permit, the fugitive emissions for all components shall be calculated using the appropriate reduction credits for the LDAR program actually used to monitor each component. For components monitored under an LDAR program other than 28 VHP, the net emission rates from those components must be equivalent or less than those obtained if 28 VHP were in place.

The holder of this permit shall maintain a listing of each LDAR program utilized, and the unit to which that program is applied. This information shall be made available to representatives of the TCEQ upon request. **(9/08)**

42. As an alternative to comparing the daily emission rate of the components on the delay of repair (DOR) list to the total emissions from a unit shutdown per the requirements of Special Condition No. 40, Subparagraph I, the cumulative hourly emission rate of all components on the DOR list may be compared to ten percent of the total short term VOC fugitive cap contributions in order to determine if the TCEQ Regional Director and any local program is to be notified. In addition, the hourly emission rates of each specific compound on the DOR list must be less than ten percent of the speciated hourly fugitive emission rate of the same compound, as used in the most recent applicable Air Quality Analysis. **(6/12)**
43. The requirements of SC 40.I. and 42. shall take effect 180 days after the start-up of the modified Unit 42 Gas Oil Hydrodesulfurizer (GOHDS) fractionator. Until that time the following requirements shall be met:

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.

The TCEQ Executive Director may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. **(6/12)**

44. In addition to the weekly physical inspection required by Item E of the 28 VHP LDAR condition, all connectors subject to 40 CFR Part 63, Subpart H in gas/vapor and light liquid service shall be monitored annually with an approved gas analyzer in accordance with Items F through J of the 28 VHP LDAR condition. Alternative monitoring frequency schedules of 40 CFR Part 63, Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks, may be used in lieu of the monitoring frequency required by this permit condition. Compliance with this condition does not assure compliance with requirements of applicable state or federal regulation and does not constitute approval of alternative standards for these regulations. **(05/99)**

Cooling Towers

45. The VOC associated with cooling tower water shall be monitored monthly with an air stripping system meeting the requirements of the TCEQ Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or an approved equivalent sampling method. The results of the monitoring, cooling water flow rate, and maintenance activities on the cooling water system shall be recorded.

The monitoring results and cooling water hourly mass flow rate shall be used to determine cooling tower hourly VOC emissions. The rolling 12-month cooling water emission rates shall be recorded on a monthly basis and used to determine compliance with the emission cap. Actual emissions from each cooling tower shall be determined by summing the VOC emissions between VOC monitoring periods over the rolling 12-month period.

The emissions between VOC monitoring periods shall be obtained by multiplying the total cooling water mass flow between cooling water monitoring periods by the higher of the two VOC monitored results. **(11/05)**

Engines

46. Fuel used in the four-cycle and two-cycle engines shall be pipeline-quality, sweet natural gas with a fuel sulfur content of no more than 0.25 grain/100 standard cubic feet (scf) (or 4.0 ppmv), or NSPS J quality plant fuel gas supplies containing less than 162 ppmv H₂S. Records shall be maintained containing the period of time that 162 ppmv gas was burned in the engines. These records shall be used in determining compliance with the emissions cap. **(09/08)**
 - A. This permit authorizes emissions from the Emergency Fire Water Pump Engines (EPNs FWP1, FWP2, FWP3, FWP4, and FWP5) for firefighting and preventative maintenance and testing. The operation of each emergency fire water pump engine is limited to 35 hours per year, except during emergencies. The performance of each maintenance and testing activity and the associated emissions shall be recorded and the rolling 12-month emissions shall be updated on a monthly basis. These records shall include the following: **(09/09)**

- (1) the physical location at which emissions from the activity occurred, including the emission point number, common name, and any other identifier for the point at which the emissions were released into the atmosphere;
- (2) the common name and the facility identification number of the facility at which activity and emissions occurred;
- (3) the date and time of the activity and its duration.

47. Emissions of NO_x, CO, and VOC from the following engines shall be reported on a dry basis in brake specific units of gram per horsepower-hour (g/hp-hr) and in units of lb/hr. After completion of the BACT and implementation schedule, the engines shall achieve the following. **(05/03)**

Emission Unit	Air Contaminant	Emission Rate
Clark 230VRP	CO	5.8 g/hp-hr
	NO _x	8.0 g/hp-hr
	VOC	1.3 g/hp-hr
Clark RA-6 and RA-8	CO	3.0 g/hp-hr
	NO _x	8.0 g/hp-hr
	VOC	4.0 g/hp-hr
White-Superior 8G-825, 6G-825, and 4G-825	CO	3.0 g/hp-hr
	NO _x	2.0 g/hp-hr
	VOC	1.0 g/hp-hr

Emissions of NO_x, CO and VOC after installation of NO_x controls (includes reduced annual emission rates): **(02/12)**

Type of Emission Unit	EPN	Emission Control Technique	Max. Heat Capacity Limit (HHV)	CO	NO _x short term/annual	VOC	Hours
			MMBtu/hr*	g/hp-hr [lb/MMBtu]*			
Engine #37 Clark RA-8	93E1	Prestratified charge system	8.80	3.0 [0.69]	8.0 [1.84]/ 2.04 [0.47]	4.0 [0.92]	8,760
Engine #46 White-Superior 425 hp	12E6	Prestratified charge system & catalyst	3.29	3.0 [0.89]	2.0[0.87]/ 1.58 [0.47]	1.0 [0.30]	8,760

* On a 365 day rolling average

48. Rich burn engines modified through the use of a catalyst to meet BACT requirements shall be equipped with air/fuel ratio controllers which maintain the exhaust O₂ content in the range demonstrated by initial testing. The O₂ sensor shall be replaced on a quarterly basis or every 2,000 hours (whichever is longer). Documentation shall be maintained, for each air/fuel controller, that the manufacturers or supplier's recommended maintenance has been performed. **(09/09)**
49. Opacity of emissions from engines modified to meet BACT shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(E).

Demonstration of Compliance

50. The holder of this permit shall perform initial and biennial stack sampling and other testing to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the engines.

Gaseous sampling port(s) and sampling platforms(s) shall be incorporated into the design of the engine stack per specifications in the attachment entitled "Chapter 2, Stack Sampling Facilities" of the TCEQ Sampling Procedures Manual. Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.

- A. The appropriate TCEQ 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.
- (6) Procedure to be used to determine engine horsepower load during sampling period.

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.

During the pretest meeting, the applicant may request the use of EPA Method 19 (as referenced by 30 TAC § 106.512) to calculate the stack flow. Pertinent data, including fuel flow, shall be recorded and included in the sampling report. Any data and/or records required in addition to the EPA Method 19 requirements shall be addressed at the pretest meeting. The method of flow measurement shall be that listed in the testing protocol and must be approved by the TCEQ prior to testing. 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 shall approve or disapprove of any deviation from specified sampling procedures.

- B. Air contaminants emitted from the engines to be tested for include (but are not limited to) NO_x, CO and O₂.
 - C. Engine emissions shall be determined by appropriate EPA methods or other methods approved by the TCEQ Regional Director prior to sampling. Methods described in 30 TAC § 106.512(2)(C)(iii) are considered to be approved methods.

Emissions shall be sampled at minimum, average, and maximum engine rounds per minute (RPMs). Sampling at different RPMs is not required if the operating minimum, average, and maximum RPMs are within 10 percent of the maximum RPMs. Every effort should be made to conduct initial compliance testing during conditions which demand the maximum horsepower expected for the engine.
 - D. Sampling shall be performed within 60 days after the completion of engine modifications (or within 60 days after issuance of the flexible permit if a specific engine is not going to be modified), and other such times as determined necessary to verify compliance with the emissions cap as required by the TCEQ Regional Director or the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office.
 - E. One copy of the final sampling report shall be forwarded to the TCEQ Amarillo Regional Office within 60 days after sampling is completed. Sampling reports shall comply with the Chapter 14 of the TCEQ Sampling Procedures Manual.
51. In order to demonstrate that compliance for all engines is continuously met, the holder of this permit shall perform the following: **(11/05)**
- A. Conduct evaluations of engine performance on a quarterly basis at full engine load and speed by measuring the NO_x and CO content of the exhaust.

The use of portable analyzers specifically designed for measuring the concentration of each contaminant in ppmv is acceptable for these evaluations. A hot air probe or equivalent shall be used with portable analyzers to prevent error results due to high exhaust gas temperatures.

Three sets of measurements shall be averaged to determine the concentrations. Prior to and following the measurements, the portable analyzer shall be checked for accuracy using an audit gas that conforms to the specifications in 40 CFR Part 60, Appendix F, § 5.1.2(3). Any other method shall be approved by the TCEQ Regional Director.
 - B. If the engine employs NSCR emission control, emissions testing shall be performed no later than 14 days following any maintenance performed on the air/fuel ratio controller, sensor, or catalyst (including catalyst cleaning or replacement) and following engine maintenance which may affect the character and quantity of emissions.

- C. If the engine employs a Pre-Stratified Charge (PSC) emission control system, emissions testing shall be performed no later than 14 days following any maintenance or shutdown of the engine which may affect ignition timing, initial carburetor setting, or the air dilution control system. In addition, every 2,000 hours of engine operation or quarterly the holder of this permit shall ensure that the engine meets the emission standard.

Emissions shall be measured and recorded in the as-found operating condition, except no compliance determination shall be established during start-up, shutdown, or under breakdown conditions. **(11/05)**

Stack Sampling

52. 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 the following sources:

Units 29 and 40 FCCU Stacks (EPNs 29P1 and 40P1), and SRU 43 and 34 TGI Stacks (EPNs 43I1 and 34I1). **(04/05)**

All boilers, heaters, etc., with firing rates of 40 MMBtu/hr or greater including the Unit 40 Boiler shall be subject to stack sampling. In addition, common stacks containing units capable of 40 MMBtu/hr or greater shall also be sampled. **(12/06)**

The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

- A. The appropriate TCEQ Regional Office in the region where the source is located 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 TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional

Director or 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 Air Permits Division. Test waivers and alternate or equivalent procedure proposals for NSPS testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

- B. Air contaminants emitted from the listed sources to be tested for include (but are not limited to) the following:

FCCU Stacks	NO _x , CO, SO ₂ , O ₂ , TSP* and PM ₁₀ *
SRU TGIs	NO _x , CO, SO ₂ , O ₂ and H ₂ S
Boilers, Heaters, Furnaces, etc.	NO _x , CO, SO ₂ , VOC, and O ₂

* TSP - total suspended particulate, PM₁₀ - particulate matter of 10 microns or less

- C. Sampling shall occur within 60 days after the completion of boiler/heater, etc., modifications to a specific unit, and other such times as may be required by the TCEQ Regional Director or the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires EPA approval, and requests shall be submitted to the TCEQ Regional Director. **(04/05)**
- D. The EPN being tested shall operate at maximum production or firing rates during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the EPN is 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 if the firing rate exceeds the tested firing rate by more than 10 percent. (Additional testing will not be required if the EPN is equipped with a continuous emissions monitoring system [CEMS].)
- E. One copy of the final sampling report shall be forwarded to the TCEQ Amarillo Regional Office within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual.
- F. Stack sampling for those units which are not equipped with a CEMS shall be repeated every five years after the initial sampling in conformity with A, B, and D of this condition. Unit 19.3 shall be sampled every two years until a CEMS is operating to monitor emissions. **(12/04)**

The applicable FCCU Stacks (EPNs 29P1 and 40P1) shall be sampled annually for TSP and PM₁₀ when the FCCU air coolers are in operation. (PSD) **(12/06)**

53. The holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of the following compounds from the indicated sources: **(09/08)**

- A. The Units 29 and 40 FCCU Stacks (EPNs 29P1 and 40P1): SO₂, NO_x, CO, O₂ and opacity. **(04/05)**
- B. The SRU 34 TGI Stack (EPN 34I1): SO₂ and O₂. The SRU 43 TGI Stack (EPN 43I1): SO₂, CO, and O₂.
- C. The Unit 98 Reformer Furnace (EPN 98H1): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the furnace. **(04/05)**
- D. The Unit 50 Charge Heater (EPN 50H1): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the heater. **(04/05)**
- E. The Unit 51 Charge Heater (EPN 51H1): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the heater. **(04/05)**
- F. The Unit 40 Boiler (EPN 85B2): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the boiler. **(09/08)**.

After a shakedown period not to exceed 180 days, the Unit 40 Boiler shall not exceed a NO_x emission rate of 0.02 lb/MMBtu based on a three hour average and a CO concentration in the stack of 100 parts per million by volume dry at 3 percent O₂ based on a three-hour average. **(12/06)**

With the exception of the above sources, a CEMS used to measure and/or predict and record the in-stack concentrations of NO_x, CO and O₂ shall be operational and used to monitor emissions within one year of emitting greater than 26.3 tons per year (tpy) NO_x (26.3 tpy NO_x is calculated from 0.06 lb NO_x/MMBtu based on a 100 MMBtu/hr firing duty) from any boiler, heater or combustion device with a maximum firing rate greater than or equal to 100 MMBtu/hr (this includes Unit 19.3 [Distillate Charge Furnace]). These units shall be monitored as required in the Stack Sampling condition with a two-year stack sampling period until a CEMS is required. The terms of this paragraph are effective upon implementation of BACT for the particular combustion device. **(12/04)**

The monitoring system shall meet the following section of Requirements for CEMS: **(12/04)**

54. Requirements for CEMS:

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 Air, Air Permits Division for requirements to be met.

- A. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:
- (1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.
 - (2) 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.
- B. 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 relative accuracy test audit (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 indicate that the CEMS is out of control.
- C. The monitoring data shall be reduced to an hourly average concentration at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of pounds per hour at least once every week as follows:
- The measured hourly average concentration from the CEMS shall be multiplied by the flow rate. Units that do not have flow meters may use the flow rate measured during the latest stack test performed in accordance with SC No. 52 to determine the hourly emission rate.
- D. All monitoring data and quality-assurance data shall be maintained by the source. 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 regional office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.
- F. Quality-assured (or valid) data must be generated when the facility (FCCU, TGI, furnace, boiler, or heater, as listed in this condition) is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the facility generating emissions operated over the

previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Director. **(11/05)**

55. Boilers, heaters, etc., with maximum firing rates of greater than or equal to 40 MMBtu/hr and less than 100 MMBtu shall be monitored in accordance with this condition. The terms of this condition are effective upon implementation of BACT for a particular device or for combustion devices for which additional controls are not anticipated within five years from the issuance of the flexible permit.

Stack sampling shall take place as required by the stack sampling condition. After completion of the initial stack test, the holder of this permit shall conduct grab samples (or spot checks with a portable analyzer) for NO_x and CO. The spot checks shall be comprised of no less than the average of three 15-minute readings for each pollutant. These checks shall be performed annually for Heater 9 (EPN 9H1), Heater 36 (EPN 36H1), Heater 26 (EPN 26H1), and Column 45 Reboiler (EPN 2H2); semiannually for Heaters 7 (EPN 7H1-4), Heater 42A (EPN 42H1), Heater 42B (EPN 42H2), and Heater 11 (EPN 11H1), and quarterly for any other units.

The fuel flow rate shall be continuously monitored and recorded. The heating value of the fuel (Btu/scf) shall be measured and recorded once per week. Heating values for purchased fuel gas supplies may, as an alternate, be calculated based upon a monthly composite from samples taken at least once per day. The methods, criteria, equipment, etc., used in conducting the spot checks shall be approved by the TCEQ Austin Compliance Support Division prior to conducting any spot checks.

The results of the spot checks shall be recorded in terms of ppm and converted into values of lb/hr and TPY within 30 days of sampling.

The SO₂ emissions from the unit shall be estimated monthly based upon the H₂S concentrations obtained from the H₂S fuel gas monitoring system (required by NSPS, Subpart J) and the fuel flow rate.

The CO and NO_x emission factors generated from the spot checks shall be used in lieu of those generated using the last stack test results obtained to determine actual emissions from the unit if results of the spot check are greater than those obtained in the last stack test.

The holder of this permit may petition the TCEQ for a reduction in the spot-checking frequency on an EPN-by-EPN basis. If the five-year stack test is failed, the EPN failing the stack test shall revert back to the quarterly basis until at least one year of data is collected. (PSD) **(02/04)**

56. For boilers, heaters, etc., with maximum firing rates less than 40 MMBtu/hr, the heating value of the fuel (Btu/scf) shall be measured and recorded once per week. Heating values for purchased fuel gas supplies may, as an alternate, be calculated based upon a monthly

composite from samples taken at least once per day. The fuel flow rate shall be continuously monitored and recorded (in addition to the H₂S concentrations obtained from the H₂S fuel gas monitoring system). Records shall be maintained indicating any exceedance of a unit's represented firing rates. Should the firing rate of any unit exceed its permit representations, the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap.

Recordkeeping

57. Recordkeeping programs for those facilities authorized by the flexible permit shall be established and maintained such that the ability to demonstrate compliance with all authorized emission caps (short-term and annual) are ensured. Records of all compliance testing, CEM results, and process parameters necessary to demonstrate compliance with the emission rate caps shall be maintained on-site for a period of three years.

Compliance with annual TPY emissions shall be based on calendar basis through the year 2006 and on a 12-month rolling average thereafter. Emissions calculations for verifying compliance with the emission caps shall be calculated at least once every month. The holder of this permit shall maintain all records necessary to demonstrate compliance with the short-term lb/hr and annual TPY emissions cap and provide such demonstration of compliance to the TCEQ Regional Office upon request.

The permit holder shall retain a copy of the permit application dated November 2007 and of any subsequent applications related to this permit. These records shall be retained for the effective life of the permit plus five years. **(11/08)** (PSD)

These and all other records required by any previous condition of this permit shall be made available to the TCEQ Executive Director or a representative upon request. (PSD)

58. All control upgrades implemented for facilities authorized by the flexible permit shall be completed as on a schedule to assure compliance with all short-term lb/hr and annual TPY emission caps as tabulated on the attached emission cap tables. (PSD)

Adjustment of Emission Rates

59. The emission rate estimates for flare and wastewater sources being tested initially as specified in the conditions of this flexible permit and the associated emission caps shall be adjusted as necessary to reflect the initial testing results. Piping component counts and fugitive emission estimates for the current and final emission caps shall be adjusted as necessary to reflect actual component counts as shown by the required LDAR program(s). Adjustments which result in an increase in estimated emissions shall require a permit amendment, and decreases in emission estimates may be affected by the use of a permit alteration. **(03/00)**

FCCU Particulate Monitoring

60. The permit holder shall continuously monitor and record the air flow rate to the regenerators. This value shall be used with the most recent stack test results performed in accordance with the Stack Sampling condition to determine the particulate emissions (TSP) from the FCCUs.

The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP).

- A. The COMS shall meet (40 CFR Part 60), Appendix B Performance Specification No 1. The initial performance evaluation of the COMS required by the performance specification shall be conducted and passed within 60 days of start-up.
- B. The COMS shall meet the requirements of 40 CFR § 60.13. The appropriate TCEQ Regional Manager will be the administrator for alternate monitoring requests, except where the monitoring is also required by an applicable NSPS (40 CFR Part 60) or NESHAP (40 CFR Part 61 or Part 63) where EPA Region 6 remains the administrator for alternate monitoring requests.

Alternate monitoring requests should be submitted to the appropriate TCEQ Regional Director and EPA Region 6, when they are the administrator, with copies to any local air pollution programs and the TCEQ Regional Director.

- C. Monitoring data shall be recorded and maintained as specified in 40 CFR §§ 60.7(c), (d), (e), and (f).
- D. The appropriate TCEQ Regional Office and any local air pollution programs shall be notified at least 30 days prior to any required initial performance evaluation.
- E. Quality-assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period. **(11/05)**

Coke Storage and Handling (04/05)

- 61. The permit holder will ensure that a minimum coke moisture content of 6 percent (by weight) is maintained. Water sprays shall be used as necessary throughout the coke handling and loading process to minimize particulate emissions.
- 62. During normal operations (coke loaded from the silo), samples for moisture analysis shall be taken of coke to be loaded when more than 48 hours elapses between loading events. Sampling shall occur with one hour prior to the start of loading. **(11/05)**

63. The opacity of emissions from any transfer point, conveyor, crusher, etc., at this unit shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(3). No visible emissions may leave the plant property. If visible emissions do leave the plant property, further controls or measures shall be installed and/or implemented as required to limit visible emissions.
64. Coke handling conveyors shall be completely covered on top, bottom, and one side with a partial opening on the other side for inspection purposes.
65. Coke may be stockpiled at the site. During such periods, the following shall apply: **(09/08)**
 - A. A watering truck or other watering device (such as a sprinkler system, etc.) shall be used on the coke stockpile as necessary to minimize particulate emissions. Final design of a watering system other than a watering truck shall be approved by the TCEQ Amarillo Regional Office prior to installation.
 - B. The permit holder shall take samples of the stockpiled coke within one hour prior to the scheduled application of water. Sampling frequency shall be once every other day until the coke stockpile is removed. Sampling locations shall be rotated sufficiently to ensure representative coverage of the stockpile.
 - C. Records shall be kept of daily quantities of total coke produced, total coke exported, coke moved to the stockpile, and coke moved from the stockpile.
66. Coke samples shall be analyzed for moisture content using American Society for Testing and Materials or other methods as agreed upon by the TCEQ Amarillo Regional Office.

Powdered Activated Carbon Silos

67. A fabric filter shall control particulate matter (PM) emissions from the Powdered Activated Carbon Silos. The PM outlet grain loading from fabric filters shall not exceed 0.007 grain per dry standard cubic foot of air. There shall be no visible emissions exceeding 30 seconds in any six-minute period as determined using U.S. Environmental Protection Agency (EPA) Test Method 22. **(11/05)**

Flare Emission Event Setpoints

68. The following emission rates shall be used to evaluate whether an emission event may be reportable as per 30 TAC § 101.201(a)(1)(A). These rates are not intended to be used as emissions limitations for the purposes of compliance with this permit. **(05/08)**

Maximum Emissions when Flares are Connected				
EPN's	SO₂ lb/hr	NO_x lb/hr	VOC lb/hr	CO lb/hr
66FL1 66FL2	8.0	4.0	38.6	22.4
66FL3 66FL12	86.8	8.1	23.4	45.7
66FL6 66FL12	160.7	4.6	11.4	26.2
66FL4 66FL6	103.4	5.5	60.6	43.6

69. The Acid Gas Flare (EPN 66FL6) and the Derrick Flare (EPN 66FL13) are affected facilities under the EPA regulations in 40 CFR Part 60 (NSPS) and are subject to the requirements of Subpart A and Subpart J (40 CFR Part 60, Subparts A and J) for sulfur dioxide. **(05/08)**

70. The East Refinery Flare (EPN 66FL1), West Refinery Flare (EPN 66FL2), CAT Flare (EPN 66FL3), and GOHDS Flare (EPN 66FL12) are affected facilities, as of December 31, 2011, under the EPA regulations in 40 CFR Part 60 (NSPS) and are subject to the requirements of Subpart J (40 CFR, Part 60, Subpart J). **(02/12)**

The permit holder will operate and maintain a flare gas recovery system to control continuous or routine combustion in the Flaring Device. Use of a flare gas recovery system on a flare obviates the need to continuously monitor and maintain records of hydrogen sulfide in the gas as otherwise required by 40 CFR Part 60.105(a)(4) and 60.7. However the determination of hydrogen sulfide in the gases directed to these flares, through lab data/engineering estimates, and maintenance of records of these determinations, is still required to demonstrate compliance with permit conditions (other than NSPS Subpart J) and MAERT limits under such conditions where hydrogen sulfide may be present in the flared gas stream.

Steam Methane Reformer Furnace Tube Replacement

71. The furnace tube replacement in steam methane reformer forty-one authorized by the amendment, PI-1 dated November 16, 2009, was determined not to be subject to major new source review by identifying projected actual emission rates for the facilities potentially affected by the project in Table A-3 entitled Unit 41 SMR Heater PSD Applicability and Demand Growth Exclusion, revised on March 18, 2010. Actual emissions from those facilities shall be monitored, recorded and reports made in accordance 30 TAC § 116.121 for the time period specified in 30 TAC § 116.121(b)(1). A copy of Table A-3 shall be attached to the permit kept on-site. **(04/10)**

72. The Gas-Oil Hydro Desulfurization Unit 42 Diesel Flexibility Modification project authorized by the amendment dated May 30, 2012 were determined not to be subject to major new source review by identifying projected actual emission rates for the facilities within the cap of 2,563.30 tons per year of VOCs versus the past actual of emissions within the cap of 2,562.33 tons per year of VOCs. Actual emissions from those facilities shall be monitored, recorded and reports made in accordance Title 30 Texas

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Administrative Code § 116.127 (30 TAC § 116.127) for the time period specified in 30 TAC § 116.121(b)(1). **(06/12)**

Dated: September 24, 2014

Attachment A

Sources Authorized Under Permit by Rule and Standard Permit

EPN	Facility	Authorization
Sulfur C	Area C Truck Loading Rack	Permit by Rule No. 87158
H-28 SEP	Heavy Naphtha Fugitives	Permit by Rule No. 90182
F-22B	U22 Defluorination Project	Permit by Rule No. 95901
U42 Temp CT-A	Cooling Tower	30 TAC § 106.371
U42 Temp CT-B	Cooling Tower	30 TAC § 106.371
F-54-C12Temp1	Cooling Tower	30 TAC § 106.371
F-54-C12Temp2	Cooling Tower	30 TAC § 106.371
F-2-1 and F-2-2	HDS Catalyst Guard Bed Fugitives	Permit by Rule No. 96328
SCC-FUG	Coker Unit Sour Gas Coalescer Fugitives	Permit by Rule No. 98518
F-42-FFS	Unit 42 Feed Filtration System Fugitives	Permit by Rule 99345
F-35AF	Fuel Gas Dehydration Project	Permit by Rule No. 99365
SB-1	Skelly-Belviue Pipeline Project Fugitives	Permit by Rule No. 99373
41H1 FUG	Unit 41 SMR Heater Fugitives	Standard Permit No. 90208
12E6	Engine 46	Standard Permit No. 87458

Dated: September 27, 2013

Emission Sources - Maximum Allowable Emission Rates

Flexible Permit Numbers 9868A and PSDTX102M7

Emission Cap Table

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Emission Caps	See Attachment I for Source Name and Emission Point Number Index	NO _x	1225.76	2465.27
		SO ₂	6620.99	2967.21
		VOC	1681.08	3472.84
		CO	800.06	3483.78
		PM	262.70	1119.57
		NH ₃	0.58	2.47
		Cl ₂	1.24	5.41
		Benzene	12.18	20.28
		H ₂ S	17.97	57.01
		HCl	0.04	0.20
		HF	0.44	1.90
Individual Emission Limits				
85B2	Unit 40 Boiler	NO _x	11.96	52.40
		CO	42.85	187.70
		VOC	3.23	14.13
		PM ₁₀	4.46	19.52
		SO ₂	18.68	81.83
29P1	Unit 29 FCCU Stack	NH ₃	9.75	42.71
		HCl	0.45	1.96
40P1	Unit 40 FCCU Stack	NH ₃	9.75	42.71
		HCl	0.22	0.98
34I1	SRU TGI	NO _x	0.19	0.82

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		CO	0.32	1.38
		VOC	0.21	0.82
		PM ₁₀	0.03	0.13
		SO ₂	0.01	0.01
F-1-8	Merox Process Fugitives (5)	VOC	0.01	0.01
HFTEMP	HF Temporary Tank Process Fugitives (5)	HF	0.01	0.01
		VOC	0.01	0.02
F-28-2Ex	Unit 28 (2) Exchanger and Heater Integration Fugitives (5)	VOC	0.02	0.07
F-28-1Ex	Unit 28 (1) Exchanger and Heater Integration Fugitives (5)	VOC	0.06	0.26
F-32-CIP	Unit 32 Exchanger and Heater Integration Fugitives (5)	VOC	0.04	0.18
F-10B-Ex	Unit 10B Train Exchanger and Heater Integration Fugitives (5)	VOC	0.10	0.43
F-9-Ex	Unit 9 Exchanger and Heater Integration Fugitives (5)	VOC	0.06	0.26
F-10A-Ex	Unit 10A Exchanger and Heater Integration Fugitives (5)	VOC	0.06	0.25
F-67	Crude Unit Pump 67 Fugitives (5)	VOC	0.01	0.05
F-56-1-4-A(2&5)	West DAF	VOC	0.99	4.36
		NH ₃	0.24	1.06
		H ₂ S	1.81	7.91
F-56-1-12	Flash Mixing	VOC	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		NH ₃	0.01	0.01
		H ₂ S	0.01	0.06
F-56-1-17	Flocculation	VOC	0.03	0.13
		NH ₃	0.01	0.03
		H ₂ S	0.05	0.24
53R4	Sulfur Loading	PM	0.23	0.17
		PM ₁₀	0.23	0.17
		PM _{2.5}	0.23	0.17
		H ₂ S	6.93	5.06
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Routine Emissions	VOC	121.47	53.21
		NO _x	17.22	7.55
		CO	109.86	48.12
		SO ₂	100.14	43.85
		H ₂ S	1.55	0.68
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Fuel Gas Long Scenario	VOC	121.47	141.82
		NO _x	17.22	29.96
		CO	110.11	192.91
		SO ₂	100.14	7.35
		H ₂ S	1.55	0.15
FGR-FUG	FGR Fugitives	VOC	5.20	22.79
		H ₂ S	0.01	0.01
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Flare Gas MSS	VOC	121.47	35.00
		NO _x	17.22	6.13
		CO	109.86	34.30
		SO ₂	100.14	250.90
		H ₂ S	1.55	2.23
F-43WHB	Waste Heat Boiler Fugitives	SO ₂	0.01	0.01
		H ₂ S	0.01	0.01

(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.

Emission Sources - Maximum Allowable Emission Rates

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
 - NH₃ - ammonia
 - Cl₂ - chlorine
 - H₂S - hydrogen sulfide
 - HCl - hydrogen chloride
 - HF - hydrogen fluoride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 24, 2014

ATTACHMENT I

CONTAMINANTS, EMISSION POINT NUMBERS, AND SOURCE NAMES

Flexible Permit Numbers 9868A and PSDTX102M7

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.

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
SO₂ SOURCES:		
	2H1	Unit 2-2 HDS Charge Heater
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Heater
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H1	19.2 Charge Furnace
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
SO₂ SOURCES:		
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
SO₂ SOURCES:		
	93E2	Engine No. 38
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler Stack (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	FWP1-5	Fire Water Pump Engines
VOC SOURCES:		
	2H1	Unit 2-2 HDS Charge Heater
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Heater
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H1	19.2 Charge Furnace
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37
	93E2	Engine No. 38
	FWP1-5	Fire Water Pump Engines
	53R1	Refinery Tank Car Loading
	53T1	Refy Tank Truck Loading

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	53R2	Tank Car Tracks 1 and 2
	53R3	Tank Car Tracks 3 and 4
	53T2	South Tank Truck Loading
	56-4	Truck Loading and Fugitives
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	53FL1	Thermal Oxidation Unit
	F-1	Unit 1 Fugitives
	F-1-6	Unit 1.6 Fugitives
	F-1-7	Unit 1.7 Fugitives
	F-2	Unit 2 Columns
	F-2-1	Unit 2.2 Fugitives
	F-2-5	Fractionators
	F-4	Butane Isom Fugitives
	F-Tier 3	Fugitives - Tier 3 Project

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	F-5	Pentane Isom Fugitives
	F-6	Hexane Isom Fugitives
	F-7	Platformer
	F-9	Unit 9 Fugitives
	F-10	Unit 10 Fugitives
	F-11	Deethanizer Unit Fug
	F-12	Cryogenic Gas Plant Fug
	F-13	Clean-Up Unit Fug
	F-19-1	Naphtha HDS Fugitives
	F-19-2	Reformer Fugitives
	F-19-3	Distillate HDS Fugitives
	F-22	HF Alkylation Fugitives
	F-23	St Run Fract Fugitives
	F-26	HO FCCU Fract Fugitives
	F-28	Unit 28 Fugitives
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-34	Sulfur Recovery Unit Fug
	F-35	Unit 35 Fugitives
	F-36	Unit 36 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-41	Fugitives
	F-42	GOHDS Unit 42 Fugitives
	F-43-1	Sulfur Handling/Storage
	F-44	Unit 44 Fugitives
	F-50	Unit 50 Fugitives
	F-51	Unit 51 Fugitives
	F-53-1	Refinery Loading Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	F-53-2	South Loading Rack
	F-55	Air Compressor Fugitives
	F-56	Unit 56 Fugitives
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives
	F-98	SMR Fugitives
	F-68-4a	100M SWT Brine Pond
	F-68-4b	55M SWT Brine Pond
	F-68-4c	100M Sour Brine Pond
	F-68-4d	100M SWT Brine Pond
	F-68-4e	30M SWT Brine Pond
	F-68-4f	300M Sour Brine Pond

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	F-68-4g	2MM Brine Pond
	F-68-4h	3MM Brine Pond
	F-54-C10	Cooling Twr (Refy No. 9)
	F-54-C11	Cooling Twr (Refy No. 3)
	F-54-C12	Cooling Twr (Mar No. 12)
	F-54-C13	Cooling Twr (Prt No. 14)
	F-54-C14	Cooling Twr (Mar No. 15)
	F-54-C15	Cooling Twr (Prt No. 16)
	F-54-C16	Cooling Twr (Prt No. 18)
	F-54-C17	Cooling Twr (Refy No. 8)
	F-54-C18	Cooling Twr (Refy No. 13)
	F-54-C19	Cooling Twr (Refy No. 10)
	F-54-C21	Cooling Twr (Vacuum Unit)
	F-54-C2	Cool Twr (Ecodyne No. 9)
	F-54-C20	Cooling Twr (GOHDS No. 17)
	F-54-C3	Cooling Twr (SF No. 11)
	F-54-C4	Cooling Twr (Mar No. 13)
	F-54-C6	Cooling Twr (Mar No. 10)
	F-54-C7	Cooling Twr (Refy No. 2)
	F-54-C8	Cooling Twr (Refy No. 4)
	F-54-C9	Cooling Twr (Refy No. 7)
	F-56-1-1	West Sump
	F-56-1-3	North Sump
	F-56-1-4-A	Refy Oil/H2O Separators
	F-56-1-6	Storm Water System
	F-56-2	Dixon Creek WWTP
	F-56-1-5	Hazardous Waste Impoundment
	0109	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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VOC SOURCES:

	0110	Tank Storage
	0111	Tank Storage
	0202	Tank Storage
	0401	Tank Storage
	0511	Tank Storage
	0514	Tank Storage
	0552	Tank Storage
	0562	Tank Storage
	0572	Tank Storage
	0573	Tank Storage
	1001	Tank Storage
	1002	Tank Storage
	1003	Tank Storage
	1006	Tank Storage
	1007	Tank Storage
	1012	Tank Storage
	1013	Tank Storage
	1064	Tank Storage
	1067	Tank Storage
	1163	Tank Storage
	1164	Tank Storage
	1165	Tank Storage
	1522	Tank Storage
	2072	Tank Storage
	2510	Tank Storage
	2553	Tank Storage
	2571	Tank Storage
	2572	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	2575	Tank Storage
	2576	Tank Storage
	2577	Tank Storage
	2578	Tank Storage
	2579	Tank Storage
	2580	Tank Storage
	2670	Tank Storage
	2672	Tank Storage
	2673	Tank Storage
	2674	Tank Storage
	2675	Tank Storage
	2676	Tank Storage
	2677	Tank Storage
	2678	Tank Storage
	3001	Tank Storage
	3002	Tank Storage
	3003	Tank Storage
	4030	Tank Storage
	5001SCRUB	Tank Storage
	5505	Tank Storage
	5508	Tank Storage
	5511	Tank Storage
	5520	Tank Storage
	5521	Tank Storage
	5525	Tank Storage
	5531	Tank Storage
	5532	Tank Storage
	5536	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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VOC SOURCES:

	5537	Tank Storage
	5539	Tank Storage
	5540	Tank Storage
	5541	Tank Storage
	5542	Tank Storage
	5543	Tank Storage
	5544	Tank Storage
	5545	Tank Storage
	5548	Tank Storage
	5550	Tank Storage
	5551	Tank Storage
	5553	Tank Storage
	5554	Tank Storage
	5555	Tank Storage
	5556	Tank Storage
	5557	Tank Storage
	5558	Tank Storage
	5559	Tank Storage
	5560	Tank Storage
	5578	Tank Storage
	5580	Tank Storage
	5583	Tank Storage
	5584	Tank Storage
	5587	Tank Storage
	5588	Tank Storage
	5589	Tank Storage
	5590	Tank Storage
	5591	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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VOC SOURCES:

	5592	Tank Storage
	5593	Tank Storage
	5596	Tank Storage
	5597	Tank Storage
	5598	Tank Storage
	5599	Tank Storage
	8001	Tank Storage
	8002	Tank Storage
	8010	Tank Storage
	8011	Tank Storage
	8012	Tank Storage
	8013	Tank Storage
	8014	Tank Storage
	8015	Tank Storage
	8031	Tank Storage
	8032	Tank Storage
	8033	Tank Storage
	8034	Tank Storage
	9200	Tank Storage
	9201	Tank Storage
	9202	Tank Storage
	9500	Tank Storage
	9501	Tank Storage
	9502	Tank Storage
	9503	Tank Storage
	9504	Tank Storage
	9700	Tank Storage
	9701	Tank Storage
	9702	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NO_x SOURCES:		
	2H1	Unit 2-2 HDS Charge Heater
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Htr
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19B1/19H1	19.2 Charge Furnace
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NO_x SOURCES:		
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37

NO_x SOURCES:

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
	93E2	Engine No. 38
	FWP1-5	Fire Water Pump Engines
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare

CO SOURCES:

2H1	Unit 2-2 HDS Charge Htr
2H2	Deoiler Furnace
4H1	Unit 4 Feed Heater
4H2	Unit 4 Dehydrator Heater
5H1	Unit 5-A Feed Heater
5H2	Unit 5-B Feed Heater
5H3	Unit 5-C Feed Heater
6H3	BHU Reduction Furnace
6H1	Unit 6 Hydro Preheater
7H1-4	Unit 7 Charge Furnace
7H1-4	Unit 7 No. 1 Reheater

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
CO SOURCES:		
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Htr
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19B1/19H1	19.2 Charge Furnace
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Htr
	42H2 (PSD)	Unit 42 Reactor Chg Htr
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
CO SOURCES:		
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37
	93E2	Engine No. 38
	FWP1-5	Fire Water Pump Engines
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
CO SOURCES:		
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
PM SOURCES:		
	F-54-C21	Cooling Twr (Vacuum Unit)
	2H1	Unit 2-2 HDS Charge Htr
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12E1	Engine No. 41
	12E2	Engine No. 42

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
PM SOURCES:		
	12E3	Engine No. 43
	12E4	Engine No. 44
	12E5	Engine No. 45
	12E6	Engine No. 46
	12E7	Engine No. 47
	FWP1-5	Fire Water Pump Engines
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Heater
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19B1/19H1	19.2 Charge Furnace
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
PM SOURCES:		
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	98H1	Unit 98 Reformer Furnace
	53R4	Tank Car Track 5
	29P1	Unit 29 FCCU Stack
	85B2 (PSD) (4)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	93E1	Engine No. 37
	93E2	Engine No. 38
	93E4	Engine No. 40
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	KG47	Sulfur Tank
	F-50A	Coke Handling Fugitives
	VF-1030	PAC Silo
	VF-2030	PAC Silo
	0309	Tank Storage
BENZENE SOURCES:		
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
BENZENE SOURCES:		
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	53T1	Refy Tank Truck Loading
	53R2	Tank Car Tracks 1 and 2
	53R3	Tank Car Tracks 3 and 4
	53T2	South Tank Truck Loading
	F-1	Unit 1 Fugitives
	F-2	Unit 2 Columns
	F-2-1	Unit 2.2 Fugitives
	F-2-5	South Fractionators
	F-5	Pentane Isom Fugitives
	F-6	Hexane Isom Fugitives
	F-7	Platformer
	F-9	Unit 9 Fugitives
	F-10	Unit 10 Fugitives
	F-11	Deethanizer Unit Fug
	F-12	Cryogenic Gas Plant Fug
	F-13	Clean-Up Unit Fug
	F-19-1	Naphtha HDS Fugitives
	F-19-2	Reformer Fugitives
	F-23	St Run Fract Fugitives
	F-26	HO FCCU Fract Fugitives
	F-28	Unit 28 Fugitives
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-42	GOHDS Unit 42 Fugitives
	F-44	Unit 44 Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
BENZENE SOURCES:		
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-54-C2	Cool Twr (Ecodyne No. 9)
	F-54-C3	Cooling Tower (Santa Fe No. 11)
	F-54-C4	Cooling Twr (Mar No. 13)
	F-54-C6	Cooling Twr (Mar No. 10)
	F-54-C7	Cooling Twr (Refy No. 2)
	F-54-C8	Cooling Twr (Refy No. 4)
	F-54-C9	Cooling Twr (Refy No. 7)
	F-54-C10	Cooling Twr (Refy No. 9)
	F-54-C11	Cooling Twr (Refy No. 3)
	F-54-C12	Cooling Twr (Mar No. 12)
	F-54-C13	Cooling Twr (Prt No. 14)
	F-54-C14	Cooling Twr (Mar No. 15)
	F-54-C15	Cooling Twr (Prt No. 16)
	F-54-C16	Cooling Twr (Prt No. 18)
	F-54-C17	Cooling Twr (Refy No. 8)
	F-54-C18	Cooling Twr (Refy No. 13)
	F-54-C19	Cooling Twr (Refy No. 10)
	F-54-C21	Cooling Twr (Vacuum Unit)
	F-54-C20	Cooling Twr (GOHDS No. 17)
	F-56-1-1	West Sump
	F-56-1-3	North Sump
	F-56-1-4-A	Refy Oil/H2O Separators
	F-56-1-6	Storm Water System
	F-56-2	Dixon Creek WWTP
	F-56-1-5	Hazardous Waste Impoundment
	F-56	Unit 56 Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
BENZENE SOURCES:		
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-85-2	Unit 40 Boiler Fugitives
	0111	Tank Storage
	0202	Tank Storage
	0401	Tank Storage
	0511	Tank Storage
	0514	Tank Storage
	0562	Tank Storage
	0572	Tank Storage
	0573	Tank Storage
	1001	Tank Storage
	1002	Tank Storage
	1003	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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BENZENE SOURCES:

	1006	Tank Storage
	1007	Tank Storage
	1064	Tank Storage
	1163	Tank Storage
	1164	Tank Storage
	1165	Tank Storage
	1522	Tank Storage
	2072	Tank Storage
	2510	Tank Storage
	2553	Tank Storage
	2575	Tank Storage
	2576	Tank Storage
	2577	Tank Storage
	2579	Tank Storage
	2580	Tank Storage
	2673	Tank Storage
	3001	Tank Storage
	3002	Tank Storage
	4030	Tank Storage
	5505	Tank Storage
	5521	Tank Storage
	5532	Tank Storage
	5550	Tank Storage
	5551	Tank Storage
	5553	Tank Storage
	5554	Tank Storage
	5555	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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BENZENE SOURCES:

	5556	Tank Storage
	5557	Tank Storage
	5558	Tank Storage
	5559	Tank Storage
	5578	Tank Storage
	5580	Tank Storage
	5583	Tank Storage
	5584	Tank Storage
	5591	Tank Storage
	5597	Tank Storage
	5599	Tank Storage
	8001	Tank Storage
	8002	Tank Storage
	8013	Tank Storage
	8031	Tank Storage
	8032	Tank Storage
	8034	Tank Storage
	9201	Tank Storage
	9500	Tank Storage
	9501	Tank Storage
	9502	Tank Storage
	9503	Tank Storage

H₂S SOURCES:

	53R4	Tank Car Track 5
	34I1	SRU Incinerator
	43I1	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
H₂S SOURCES:		
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	F-1-6	Unit 1.6 Fugitives
	F-2-1	Unit 2 Fugitives
	F-5	Pentane Isom Fugitives
	F-7	Platformer
	F-9	Unit 9 Fugitives
	F-10	Unit 10 Fugitives
	F-11	Deethanizer Unit Fug
	F-12	Cryogenic Gas Plant Fug
	F-19-1	Naphtha HDS Fugitives
	F-19-3	Distillate HDS Fugitives
	F-23	St Run Fract Fugitives
	F-26	HO FCCU Fract Fugitives
	F-28	Unit 28 Fugitives
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-34	Sulfur Recovery Unit Fug
	F-35	Unit 35 Fugitives
	F-36	Unit 36 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-41	Fugitives
	F-Tier 3	Fugitives - Tier 3 Project

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
H₂S SOURCES:		
	F-42	GOHDS Unit 42 Fugitives
	F-43-1	Sulfur Handling/Storage
	F-44	Fugitives
	F-56-1-4-A	Refy Oil/H2O Separators
	F-56-2	Dixon Creek WWTP
	0309	Tank Storage
	KG47	Tank Storage
	2530	Tank Storage
	3003	Tank Storage
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NH₃ SOURCES:		
	F-56-1-4-A	Refy Oil/H2O Separators
	F-56-2	Dixon Creek WWTP
	3003	Tank Storage
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-42	GOHDS Unit 42 Fugitives
	F-43-1	Sulfur Handling/Storage
	F-44	Fugitives
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-85-2	Unit 40 Boiler Fugitives
	F-98	SMR Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NH₃ SOURCES		
	29P1	Unit 29 FCCU Stack
	40P1	Unit 40 FCCU Stack
HCl SOURCES:		
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL8	100M Sour Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	F-54-C2	Cooling Tower (Ecodyne No. 9)
	F-54-C3	Cooling Tower (Santa Fe No. 11)
	F-54-C4	Cooling Tower (Marley No. 13)
	F-54-C6	Cooling Tower (Marley No. 10)
	F-54-C7	Cooling Tower (No. 2 Refinery)
	F-54-C8	Cooling Tower (No. 4 Refinery)
	F-54-C9	Cooling Tower (No. 7 Refinery)
	F-54-C10	Cooling Tower (No. 9 Refinery)
	F-54-C11	Cooling Tower (No. 3 Refinery)
	F-54-C12	Cooling Tower (Marley No. 12)
	F-54-C13	Cooling Tower (Pritchard No. 14)
	F-54-C14	Cooling Tower (Marley No. 15)
	F-54-C15	Cooling Tower (Pritchard No. 16)
	F-54-C16	Cooling Tower (Pritchard No. 18)
	F-54-C17	Cooling Tower (No. 8 Refinery)
	F-54-C18	Cooling Tower (No. 9 Refinery)
	F-54-C19	Cooling Tower (No. 10 Refinery)

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
HCl SOURCES:		
	F-54-C20	Cooling Tower (GOHDS No. 17)
	F-54-C21	Cooling Tower (Vacuum Unit)
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives
	F-4	Butane Isom Fugitives
	F-6	Hexane Isom Fugitives
Cl₂ SOURCES:		
	F-54-C2	Cooling Tower (Ecodyne No. 9)
	F-54-C3	Cooling Tower (Santa Fe No. 11)
	F-54-C4	Cooling Tower (Marley No. 13)

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
Cl₂ SOURCES:		
	F-54-C6	Cooling Tower (Marley No. 10)
	F-54-C7	Cooling Tower (No. 2 Refinery)
	F-54-C8	Cooling Tower (No. 4 Refinery)
	F-54-C9	Cooling Tower (No. 7 Refinery)
	F-54-C10	Cooling Tower (No. 9 Refinery)
	F-54-C11	Cooling Tower (No. 3 Refinery)
	F-54-C12	Cooling Tower (Marley No. 12)
	F-54-C13	Cooling Tower (Pritchard No. 14)
	F-54-C14	Cooling Tower (Marley No. 15)
	F-54-C15	Cooling Tower (Pritchard No. 16)
	F-54-C16	Cooling Tower (Pritchard No. 18)
	F-54-C17	Cooling Tower (No. 8 Refinery)
	F-54-C18	Cooling Tower (No. 9 Refinery)
	F-54-C19	Cooling Tower (No. 10 Refinery)
	F-54-C20	Cooling Tower (GOHDS No. 17)
	F-54-C21	Cooling Tower (Vacuum Unit)
HF SOURCES:		
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
HF SOURCES:		
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives
	F-22	HF Alkylation Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

- (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) Cl₂ - chlorine
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
H₂S - hydrogen sulfide
NH₃ - ammonia
NO_x - total oxides of nitrogen
PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM2.5, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

Dated: September 24, 2014



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT



A Permit Is Hereby Issued To
PHILLIPS 66 COMPANY
Authorizing the Construction and Operation of
Borger Refinery
Located at **Borger, Hutchinson County, Texas**
Latitude 35° 41' 58" Longitude -101° 21' 36"

Permits: 85872 and PSDTX1158M1

Amendment Date : September 4, 2015

Expiration Date: December 11, 2019

For the Commission

- Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]¹
- Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
- Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
- Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
- Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is

also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled “Emission Sources--Maximum Allowable Emission Rates.” [30 TAC 116.115(b)(2)(F)]¹
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of “air pollution” as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.¹

¹ Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Special Conditions

Permit Numbers 85872 and PSDTX1158M1

Emission Standards and Operating Specifications

1. Emission limitations for the boilers are as follows:
 - A. Skid Boiler [Emission Point Number (EPN): SKIDBLR]
 - (1) Shall be limited to a maximum firing rate of 364.6 million British thermal units per hour (MMBtu/hr) based on the higher heating value of the fuel (HHV).
 - (2) Nitrogen Oxides (NO_x) shall not exceed 0.015 pounds per million British thermal units (lb/MMBtu) while firing refinery fuel gas on a 1-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - (3) NO_x shall not exceed 0.01 lb/MMBtu while firing natural gas on a 1-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - (4) Carbon Monoxide (CO) shall not exceed, during normal operations (loads greater than or equal to 273.7 MMBtu/hr), 50 parts per million, dry (ppmvd) at 3 percent oxygen (O₂) on a rolling 3-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - (5) CO shall not exceed, during hot lay-up operations (loads less than 273.7 MMBtu/hr), 100 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - B. Boiler 2.4 (EPN: 81B17)
 - (1) Shall be limited to a maximum firing rate of 462.3 MMBtu/hr (HHV).
 - (2) Pre-modification
 - (a) NO_x shall not exceed 0.115 lb/MMBtu (HHV) or 0.128 lb/MMBtu on the lower heating value (LHV).
 - (b) The boiler shall be used only for emergencies or during turnarounds on other steam generators.
 - (3) Post-modification **(9/15)**
 - (a) NO_x shall not exceed 0.040 lb/MMBtu heat input (HHV) on a 1-hr average except during the periods defined in Special Condition No. 2.
 - (b) NO_x shall not exceed, during hot lay-up operations (loads less than 346.7 MMBtu/hr), 0.08 lb/MMBtu on a 1-hr average except during the periods defined in Special Condition No. 2.
 - (c) CO shall not exceed 50 ppmvd on a rolling 3-hr average except during the periods defined in Special Condition No. 2.
 - (d) CO shall not exceed, during hot lay-up operations (loads less than 346.7 MMBtu/hr), 100 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2.

- C. Boiler 12 (EPN: BLR12) **(9/15)**
 - (1) Shall be limited to a maximum firing rate of 560 MMBtu/hr (HHV).
 - (2) NO_x shall not exceed 0.015 lb/MMBtu on a 1-hr average except during the periods defined in Special Condition No. 2.
 - (3) CO shall not exceed, during normal operations (loads greater than or equal to 420 MMBtu/hr), 50 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2.
 - (4) CO shall not exceed, during hot lay-up (loads less than 420 MMBtu/hr), 100 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2.
- 2. Maintenance, startup, and shutdown (MSS) and hot standby emissions as defined in this Special Condition, Permit Number No. 80799, and Attachment A are excluded from the limits listed in Special Condition No.1. The emissions from MSS and hot standby shall not exceed the hourly emission rates in the Maximum Allowable Emission Rate Table (MAERT). **(9/15)**
 - A. Cold starts shall not exceed 14 hours in duration. A cold start is defined as a start-up that occurs when fuel has not been fired in the boiler within the last 8 hours.
 - B. Warm starts shall not exceed 8 hours in duration. A warm start is any start that is not a cold start.
 - C. Shutdowns shall not exceed 1 hour in duration.
 - D. Hot standby is defined as only pilot ignitors in service.
- 3. During normal operations opacity of emissions from each boiler stack shall not exceed 5 percent averaged over a six-minute period. During MSS operations, the opacity shall not exceed 15 percent averaged over a six-minute period. The permit holder shall demonstrate compliance with this Special Condition in accordance with the following: **(9/15)**
 - A. Visible emission observations shall be conducted and recorded weekly while the facility is operating, unless the unit is not operating for the entire calendar quarter.
 - B. Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point(s). Up to three emission points may be read concurrently, provided that all three emission points are within a 70-degree viewing sector or angle in front of the observer such that the proper sun position (at the observer's back) can be maintained for all three emission points. A certified opacity reader is not required for these visible emission observations.
 - C. Contributions from uncombined water shall not be included in determining compliance with this condition.
 - D. If visible emissions are observed from the stack(s), then opacity shall be determined and documented with 24 hours for that emission point using Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9.

- E. If opacity limits of this Special Condition are exceeded, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

Fuel Specifications

- 4. Fuel for the boilers authorized by this permit may consist of refinery fuel gas or natural gas.
 - A. Fuel for Boiler 2.4 (EPN: 81B17) shall not exceed an hydrogen sulfide (H₂S) concentration of 162 ppmv for the short term (3 hour), and 60 ppmv for the annual average. The H₂S concentration in the fuel shall be continuously monitored and recorded according to NSPS, Subpart J requirements.
 - B. Fuel for the Skid Boiler and Boiler 12 (EPNs: SKIDBLR and BLR12) shall not exceed an H₂S concentration of 162 ppmv for the short term (3 hour), and 60 ppmv for the annual average. The H₂S concentration in the fuel shall be continuously monitored and recorded according to NSPS, Subpart Ja requirements. **(9/15)**

Anhydrous Ammonia (NH₃) Storage, Handling, and Safety

- 5. Emissions of ammonia (NH₃) from any boiler using NH₃ control technology shall meet the following requirements:
 - A. NH₃ emissions shall not exceed 10 ppmvd corrected to 3 percent O₂. When using the Stain Tube Method of measurement as authorized in Special Condition 6C, an equivalent ammonia concentration of 12.85 ppmvd at an O₂ percent not to exceed 7 percent shall be the compliance limit. If either the concentration or the percent O₂ is greater than 12.85 and 7 percent, respectively, compliance must be determined using 10 ppmvd corrected to 3 percent O₂.
 - B. Any storage tanks, piping, or other equipment necessary to supply NH₃ to the SCR and their associated fugitives are authorized. Audio, olfactory, and visual checks for NH₃ leaks within the operating area shall be made at least once per day.
 - C. Unless the site has undergone the appropriate review under 40 CFR Part 68, Chemical Accident Prevention Provisions, or the NH₃ kept on site is an amount less than the threshold values in 40 CFR § 68.130, List of Substances, only aqueous NH₃ no greater than 20 percent concentration by volume shall be stored on site.
- 6. One of the following NH₃ monitoring procedures shall be used to demonstrate compliance with the NH₃ emission limit in Special Condition No. 5 for the Skid Boiler (EPN: SKIDBLR) and Boiler 12 (EPN: BLR12). **(9/15)**
 - A. Mass balance-Calculate NH₃ emissions as the difference between the input NH₃, measured by the NH₃ injection rate, and the NH₃ reacted, measured by the

differential NO_x upstream and downstream of the control device which injects urea or NH₃ into the exhaust stream. The equation is:

$$\text{NH}_3 = [(1.71) \times (a/b) \times (106) - c] \times d$$

Where:

NH₃ = NH₃ concentration on a dry basis in ppmv at 3 percent O₂

a = NH₃ injection rate in lb/hr

b = dry exhaust flow rate in lb/hr

c = change in measured NO_x concentration across catalyst in ppmv at 3 percent O₂

d = correction factor, the ratio of measured slip to calculated NH₃ slip, where the measured slip is obtained from the stack sampling for NH₃ required by Special Condition No. 11, using either the Phenol-Nitroprusside Method, the Indophenol Method, or EPA Conditional Test Method 27.

- B. Oxidation of NH₃ to nitric oxide (NO)-Convert NH₃ to NO using molybdenum oxidizer and measure NH₃ slip by difference using a NO analyzer. The NO analyzer shall be quality-assured in accordance with manufacturer's specifications and with a quarterly CGA with a ten ppmv reference sample of NH₃ passed through the probe and confirming monitor response to within ± 2.0 ppmv.
 - C. Stain tubes-Measure NH₃ using a sorbent or stain tube device specific for NH₃ measurement that is capable of providing a reading within the 5.0 to 13.0 ppmv range. The frequency of sorbent or stain tube testing shall be daily for the first 60 days of operation, after which the frequency may be reduced to weekly testing if operating procedures have been developed to prevent excess amounts of NH₃ from being introduced in the control device and when operation of the control device has been proven successful with regard to controlling NH₃ slip. Daily sorbent or stain tube testing shall resume when the catalyst is within 30 days of its useful life expectancy. Every effort shall be made to take at least one weekly sample near the normal highest NH₃ injection rate.
 - D. Other methods-Monitor NH₃ using another continuous emission monitor system (CEMS) or predictive emissions monitoring system procedure subject to prior approval of the executive director. For purposes of this paragraph, the executive director is the TCEQ Regional Director.
7. Storage and Handling
- A. This permit allows for the construction of one 12,000-gallon NH₃ storage tank, Tank No.TK-SKIDAM.
 - B. The tanks shall be located within:
 - (1) a physical barrier to vehicular traffic; and

- (2) a containment system which is capable of holding the entire volume of material stored.
 - C. Tanks shall be vapor balanced to the transport vessel during all tank filling operations. The vapor return line shall be purged back to either the transport vessel or the storage tank after every tank loading operation and prior to disconnection of the line. Interlocks shall be installed so that the unloading pump will not run unless the vapor return line to the transport vessel is connected.
 - D. All block valves, check valves, shutoff valves, pressure relief valves, and connectors associated with anhydrous NH_3 shall be properly maintained and functioning at all times.
8. Fugitive Emission Monitoring Program
 - A. Piping, Valves, Pumps, and Compressors in NH_3 Service
 - (1) All operating practices and procedures relating to the handling and storage of anhydrous NH_3 shall conform to the safety recommendations specified for that compound by guidelines of the American National Standards Institute and the Compressed Gas Association.
 - (2) Audio, olfactory, and visual checks for NH_3 leaks within the operating area shall be made every 12 hours when the plant is in operation. An NH_3 leak shall be defined as any dripping or exuding of any liquid or gas as detected by sight, smell, or sound from any equipment. Records showing that the individual components are being checked for leaks shall be maintained at the facility. The records shall include the date and time of inspections, inspector identification, number of leaks detected, an identification of the leaking component, and the date and time of leak repair.
 - (3) Immediately, but no later than one-hour upon detection of a leak, plant personnel shall take the following actions:
 - (a) Isolate the leak.
 - (b) Commence repair or replacement of the leaking component.
 - (c) If leak cannot be repaired within six hours, the holder of this permit shall use a leak collection or containment system that minimizes emissions to the atmosphere to control or prevent the leak until repair or replacement can be accomplished.
 - (4) Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available upon request to representatives of the TCEQ.
 - B. A water spray or fog system shall be installed to minimize NH_3 emissions in the event of a release or rupture of the tank.

Piping, Valves, Flanges, Pumps and Compressors in VOC Service (28VHP)

9. 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 Volatile Organic Compound (VOC) has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F; or
 - (2) where operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.
 - (3) The exempted components may be identified by one or more of the following methods:
 - (a) piping and instrumentation diagram (PID); or
 - (b) a written or electronic database.
 - B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
 - C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
 - 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. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe-to-monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe-to-monitor times. A difficult-to-monitor component for which quarterly monitoring is specified may instead be monitored annually.
 - E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be 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. **(9/15)**

Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the removal of a component for repair or replacement results in an open-ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the line or valve must have a cap, blind flange, plug, or second valve installed. **(9/15)**

- 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.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed weekly and recorded in the unit log.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR Part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

Replacements for leaking 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, compressor, and agitator 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 parts per million by volume (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, compressor, and agitator 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. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained.

- 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 that would create more emissions than the repair would eliminate, 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 within 15 days of the detection of the leak.
- J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. Records of physical inspections shall be noted in the operator's log or equivalent.
- 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 New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.

Federal Applicability

- 10. These facilities shall comply with applicable requirements of the EPA regulations on Standards of Performance for New Stationary Sources, Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):
 - A. Subpart A: General Conditions.
 - B. Subpart Db: Standards of Performance for Industrial-Commercial-Intuitional Steam Generating Units. (Skid Boiler and Boiler 12)
 - C. Subpart J: Standards of Performance for Petroleum Refineries. (Boiler 2.4)
 - D. Subpart Ja: Standards of Performance for Petroleum Refineries for which construction, reconstruction, or modification commenced after May 14, 2007. (Skid Boiler and Boiler 12) **(9/15)**
- 11. The boilers authorized by this permit shall comply with applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants (HAPs) for Source Categories, 40 CFR Part 63: **(9/15)**
 - A. Subpart A: General Provisions.

- B. Subpart DDDDD: National Emission Standards for HAPs for Industry, Commercial, and Institutional Boilers and Process Heaters

Initial Determination of Compliance

12. Sampling ports and platform(s) shall be incorporated into the design of the stack according to the specifications set forth in Chapter 2 of the TCEQ guidance document entitled "Sampling Procedures Manual." Alternate sampling facility designs may be submitted for approval to the TCEQ Regional Director.
13. 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 the boilers (EPNs: SKIDBLR, 81B17, and BLR12). The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his or her expenses. **(9/15)**
- A. The appropriate TCEQ Regional Office and local air pollution control agencies having jurisdiction 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) the date for pretest meeting;
 - (2) the date sampling will occur;
 - (3) the name of firm conducting sampling;
 - (4) the type of sampling equipment to be used; and
 - (5) the method or procedure to be used in sampling.

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 appropriate TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Permitting and Registration, Air Permits Division. Test waivers and alternate or equivalent procedure proposals for testing under 40 CFR Part 60, Standards of Performance for New Stationary Sources, which must have the EPA approval shall be submitted to the TCEQ Air Permits Division.

- B. Air contaminants emitted from boilers (EPNs: SKIDBLR, 81B17, and BLR12) to be tested at maximum heat input include, but are not limited to, NO_x, CO, O₂, and NH₃, if applicable. If fuel gas will be used, the boiler must fire the maximum percentage of the non-natural gas part of the fuel gas intended during normal operation for this test. Future increases in the percentage of fuel gas in the boiler fuel or significant changes in fuel gas composition will require approval of the appropriate TCEQ Regional Director and could include retesting under this condition.

14. Sampling shall occur within 180 days after installation or modification of the boiler. Requests for additional time to perform sampling shall be submitted to the appropriate TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 requires EPA approval, and requests shall be submitted to the TCEQ Regional Director.
15. Copies of the final sampling report shall be submitted to the appropriate TCEQ Regional Office and any local air pollution control agencies having jurisdiction within 60 days after sampling is completed. Sampling reports shall comply with the provisions of Chapter 14 of the TCEQ "Sampling Procedures Manual."

Continuous Determination of Compliance

16. The holder of this permit shall install, calibrate, maintain, and operate a CEMS to determine the in-stack concentration of NO_x and CO for the following :
 - A. Skid Boiler (EPN: SKIDBLR) and Boiler 12 (EPN: BLR12). **(9/15)**
 - B. Boiler 2.4 (EPN: 81B17), contingent upon project completion. **(9/15)**
17. CEMS requirements. The owner or operator of any CEMS must comply with the following:
 - A. The CEMS shall meet the requirements of 40 CFR Part 60 as follows:
 - (1) Section 60.13, Monitoring Requirements;
 - (2) Appendix B, Performance Specifications:
 - (a) Performance Specification 2, for NO_x in terms of lb/MMBtu. An alternative relative accuracy requirement of ± 2.0 ppmv from the reference method mean value is allowed;
 - (b) Performance Specification 3, for diluent; and
 - (c) Performance Specification 4, for CO, for owners or operators required to use a CO CEMS.
 - (3) Appendix F, Quality Assurance Procedures:

For boilers with a heat input of 250 MMBtu/hr or greater, conduct audits for NO_x, CO, and diluent analyzers in accordance with § 5.1 of Appendix F. There shall be a verbal notification to the appropriate TCEQ Regional Office of the date of any CEMS RATA at least 15 days prior to such date followed by written notification within 15 days after testing is completed.
 - B. Monitor diluent, either O₂ or carbon dioxide.

- C. Sharing of CEMS.
 - (1) One CEMS may be shared among units, provided:
 - (a) the exhaust stream of each stack is analyzed separately; and
 - (b) the CEMS meets the certification requirements of Paragraph a. for each stack while the CEMS is operating in the time-shared mode.
 - (2) Exhaust streams of units which vent to a common stack do not need to be analyzed separately.
- D. If subject to 40 CFR Part 75, Continuous Emission Monitoring, as an alternative to Paragraph a., an owner or operator may choose to comply with the CEMS requirements of 40 CFR Part 75.
- E. The owner or operator shall use one of the following methods to provide substitute emissions compliance data during periods when the NO_x CEMS is off-line:
 - (1) use the missing data procedures specified in 40 CFR Part 75, Subpart D, Missing Data Substitution Procedures; or
 - (2) use the maximum block one-hour emission rate as measured during the initial demonstration of compliance.

Maintenance (9/15)

- 18. Compliance with the emissions limits for planned maintenance activities for EPNs: SKIDBLR, 81B17, BLR12, and MSSFUG identified in Attachment A may be demonstrated as follows.
 - A. For each pollutant emitted during planned maintenance activities whose emissions are measured using a CEMS, the permit holder shall for each calendar month compare the pollutant's short-term (hourly) emissions as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.
 - B. For each pollutant emitted during planned maintenance activities whose emissions occur through a stack the permit holder shall for each calendar month determine the total emissions of the pollutant.
 - C. Sum all emissions from planned maintenance activities on a 12-month rolling basis for each EPN to show compliance with the MAERT.

Recordkeeping Requirements

- 19. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.
 - A. A copy of this permit.

- B. Permit application dated August 8, 2008, and subsequent representations submitted to the TCEQ.
20. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:
- A. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 13 to demonstrate initial compliance.
 - B. Stack sampling results or other air emissions testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit.
 - C. The NO_x, CO, and diluent gases, such as O₂ CEMS emissions data to demonstrate compliance with the emission rates listed in the MAERT.
 - D. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems.
 - E. Records of the hours of operation of the boilers.
 - F. Records of NH₃ emissions sampling and calculations pursuant to Special Condition No. 6.
 - G. Written records of any accidental releases, spills, or venting of NH₃ and the corrective action taken.
 - H. Written records of maintenance performed to any piping and valves in NH₃ service pursuant to Special Condition No. 8.
 - I. Records to identify the times when emissions data have been excluded from the calculation of the performance standards in Special Condition No. 1 because of startup and shutdown activities.
 - J. Startup and shutdown records: Hourly records shall be made of startup and/or shutdown events. These records shall include (but are not limited to) the following: type of fuel burned; quantity of each type of fuel burned; emissions from the event; and the date, time, and duration of the event.
 - K. Written records of audio, olfactory, and visual checks.
 - L. Records of visible emissions observations, opacity readings, and any corrective action taken to demonstrate compliance with Special Condition No. 3. **(9/15)**
 - M. Records of natural gas and refinery fuel usage and the sulfur content according to the fuel suppliers for the boilers to show compliance with Special Condition No. 4.
 - N. Records of maintenance activities and calculations as required by Special Condition No. 18. **(9/15)**

Reporting

21. The holder of this permit shall submit to the TCEQ Amarillo Regional Office and the Air Enforcement Branch of the EPA in Dallas excess emission and monitoring system reports as described in 40 CFR § 60.7 on a semiannual basis. Such reports are required for each emission unit which is required to be continuously monitored pursuant to this permit.

Date: September 4, 2015

Permit Numbers 85872 and PSDTX1158M1

Attachment A

Planned Maintenance Activities							
Activity	EPN	Emissions					
		NO _x	CO	VOC	PM	SO ₂	NH ₃
Combustion Optimization ¹	SKIDBLR 81B17 BLR12	X	X	X	X	X	X
Boiler General Maintenance ²	MSSFUG				X		
Catalyst Handling and Maintenance ³	MSSFUG				X		
Gaseous fuel venting ⁴	MSSFUG			X			
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, PEMS.	MSSFUG	X	X	X	X	X	
Small equipment and fugitive component repair/replacement in VOC and NH ₃ service ⁵	MSSFUG			X	X		X

Date: September 4, 2015

¹ Includes, but is not limited to, (i) leak and operability checks (e.g., turbine over-speed tests, troubleshooting), (ii) balancing, and (iii) tuning activities that occur during seasonal tuning or after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances

² Includes pre-heater basket handling and maintenance, refractory change-out, fan maintenance and balancing, damper, air heater, and soot blower maintenance, and any other general boiler maintenance that does not exceed the worst-case emissions representation in the application.

³ Includes, but is not limited to, replacement, cleaning, activation, and deactivation of SCR and oxidation catalysts.

⁴ Includes, but is not limited to: venting prior to pipeline pigging, and meter proving.

⁵ Includes, but is not limited to, (i) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters and screens in natural gas, fuel oil, diesel oil, ammonia, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service, and (iii) off-line NO_x control device maintenance (including maintenance of the anhydrous ammonia systems and aqueous ammonia systems associated with SCR systems and SNCR systems)

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 85872 and PSDTX1158M1

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
SKIDBLR	Skid Boiler (5)	NO _x	5.47	25.33
		NO _x (MSS)	38.28	-
		CO	22.98	109.53
		CO (MSS)	269.11	-
		VOC	1.97	8.61
		PM	2.72	11.90
		PM ₁₀	2.72	11.90
		PM _{2.5}	2.72	11.90
		SO ₂	12.57	20.65
		NH ₃	2.80	12.26
81B17	Boiler 2.4 Pre-modification	NO _x	53.24	71.50
		CO	23.12	31.04
		VOC	2.49	3.35
		PM ₁₀	3.44	4.63
		PM _{2.5}	3.44	4.63
		SO ₂	14.43	7.27

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
81B17	Boiler 2.4 (5) Post-modification	NO _x	18.49	82.35
		NO _x (MSS)	48.54	-
		CO	29.14	139.45
		CO (MSS)	291.43	-
		VOC	2.49	10.92
		PM	3.44	15.09
		PM ₁₀	3.44	15.09
		PM _{2.5}	3.44	15.09
		SO ₂	15.94	26.19
BLR12	Boiler 12 (5)	NO _x	8.40	38.61
		NO _x (MSS)	58.80	-
		CO	35.30	166.06
		CO (MSS)	353.02	-
		VOC	3.02	13.23
		PM	4.17	18.28
		PM ₁₀	4.17	18.28
		PM _{2.5}	4.17	18.28
		SO ₂	19.31	31.72
FUG	Boiler Fugitives (6)	VOC	0.09	0.41
		NH ₃	0.12	0.50

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MSSFUG	Planned Maintenance Activities (6)	NO _x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	14.58	0.55
		PM ₁₀	0.16	0.02
		PM _{2.5}	0.16	0.02
		SO ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01

- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
NH₃ - ammonia
MSS - maintenance, startup, and shutdown
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates include emission from MSS.
- (5) Planned MSS for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 4, 2015



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT



A Permit Is Hereby Issued To
PHILLIPS 66 COMPANY
Authorizing the Construction and Operation of
Borger Refinery
Located at **Borger, Hutchinson County, Texas**
Latitude 35° 41' 58" Longitude -101° 21' 36"

Permit: GHGPSDTX130

Issuance Date : September 4, 2015

For the Commission

- Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]¹
- Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
- Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
- Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
- Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is

also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled “Emission Sources--Maximum Allowable Emission Rates.” [30 TAC 116.115(b)(2)(F)] ¹
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of “air pollution” as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. ¹

¹ Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Special Conditions

Permit Number GHGPSDTX130

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates" (MAERT), and those sources are limited to the emission limits and other conditions specified in the attached table. The annual rates are based on a rolling 12-month period. This permit authorizes planned maintenance, startup, and shutdown (MSS) activities which comply with the emission limits in the MAERT.

Emission Standards and Operating Specifications

2. Emission limitations for the boilers are as follows:
 - A. Skid Boiler [Emission Point Number (EPN): SKIDBLR] shall be limited to the following:
 - (1) A maximum firing rate of 364.6 million British thermal units per hour (MMBtu/hr) based on the higher heating value (HHV) of the fuel.
 - (2) On a 12-month rolling average meet 130 pounds of carbon dioxide per MMBtu (lb CO₂/MMBtu) based on the HHV of the fuel, for all operational periods.
 - B. Boiler 2.4 (EPN: 81B17) shall be limited to the following:
 - (1) A maximum firing rate of 462.3 MMBtu/hr based on the HHV of the fuel.
 - (2) On a 12-month rolling average meet 130 lb CO₂/MMBtu based on the HHV of the fuel, for all operational periods.
 - C. Boiler 12 (EPN: BLR12) shall be limited to the following:
 - (1) A maximum firing rate of 560 MMBtu/hr based on the HHV of the fuel.
 - (2) On a 12-monthly rolling average meet 130 lb CO₂/MMBtu based on the HHV of the fuel, for all operational periods.
 - D. If construction of the physical modifications to Boiler 2.4 and Skid Boiler does not commence within the timeframes identified in 30 TAC § 116.120 and 40 CFR § 52.21(r)(2), authorization to physically modify Boiler 2.4 and Skid Boiler, as described in the application dated August 15, 2014 to amend New Source Review (NSR) Air Permit No. 85872, shall be void. In this case, the associated emission limitations for the modifications to Boiler 2.4 and Skid Boiler in this Permit No. GHGPSDTX130, including the permit representations, special conditions, and the MAERT, shall also be void.

Fuel Specifications

3. Fuel for the boilers authorized by this permit may consist of refinery fuel gas, natural gas, or a blend of the two fuels.

Fugitives

4. Piping and valves in fuel gas service shall be monitored for equipment leaks under TCEQ NSR Air Permit No. 85872.

Maintenance

5. The Borger Refinery (EPNs: SKIDBLR, 81B17, and BLR12) is authorized a total annual blowdown of volume of gas not to exceed 415,922 standard cubic feet per year.

Initial Demonstration of Compliance

6. The permit holder shall demonstrate that CO₂ emissions from the boilers are consistent with the emission limits of this permit by using data from the first thirty days of boiler operations following construction of Boiler 12 and the modifications of the Skid Boiler and Boiler 2.4. For each boiler, within 45 days after collecting the data, the permit holder shall submit a report to the region identifying whether the data causes any concern regarding the permit holder's ability to comply with the applicable limitations.

Continuous Demonstration of Compliance

7. The HHV of the fuel fired in the boiler shall be determined monthly per 40 CFR § 98.33(a)(2)(ii)(A).
8. The carbon content of the fuels shall be obtained by testing per 40 CFR § 98.34(b)(3).
9. The permit holder shall install, calibrate, maintain, and operate continuous monitoring systems to monitor and record the average hourly fuel gas consumption of each boiler. The flow meters shall be calibrated in accordance with 40 CFR 98.34(b)(1).

Calculation Methodology

10. Calculations of emissions of CO₂, methane (CH₄), and nitrous oxide (N₂O) to determine compliance with the MAERT CO₂e emission limitation shall be calculated in the following manner by the end of the current month for the previous rolling 12-month basis.
 - A. Any referenced methodology of 40 CFR Part 98 is modified as follows:
 - (1) References to annual measurements are to be construed as a rolling 12-month total if the variable is measured on a monthly or more frequent basis.
 - (2) References to annual measurements that are not measured at a frequency greater than one month (e.g. quarterly or semiannual) are to be construed as the average of the most recent measurements based on a rolling twelve month period (e.g. average of 4 quarterly or 2 semiannual).

- B. For the Boilers (EPNs: SKIDBLR, 81B17, and BLR12)
 - (1) Use the rolling 12-month total fuel flow rate.
 - (2) Use the methodology in 40 CFR § 98.33(a)(3)(iii) (Equation C-5) with CO₂ converted to short tons. In Equation C-5, the carbon content is determined using 40 CFR 98.34(b)(4) at the frequency specified in 40 CFR 98.34(b)(3).
 - (3) Use the default CH₄ and N₂O emission factors contained in Table C-2 and Equation C-9a of 40 CFR Part 98, and
- C. Fugitive Equipment Leaks (EPN: FUG)
 - (1) Use the methodology in 40 CFR § 98.253(l) with CH₄ converted to short tons.
- D. The permit holder shall calculate the CO₂e emissions on a 12-month rolling basis, based on the procedures and Global Warming Potentials (GWP) contained in Greenhouse Gas Regulations, 40 CFR Part 98, Subpart A, Table A-1, as published on November 29, 2013 (78 FR 71904).

Recordkeeping Requirements

- 11. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.
 - A. A copy of this permit.
 - B. Permit application dated January 14, 2015, and subsequent representations submitted to the TCEQ.
- 12. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:
 - A. Records of the hours of operation for each boiler.
 - B. Records of HHV and carbon content of the fuel.
 - C. Records of fuel usage on an hourly and 12-month rolling average for each boiler.
 - D. Records of parameters used in calculations and the calculations required to show compliance with the emission rate limits listed in the MAERT.

Date: September 4, 2015

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX130

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for sources of air contaminants on the applicant's property authorized by this permit. Any proposed increase in emission rates may require an application for a modification of the facilities authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
SKIDBLR	Skid Boiler	N ₂ O (5)	2
		CH ₄ (5)	10
		CO ₂ (5)	188,441
		CO ₂ e	189,251
81B17	Boiler 2.4	N ₂ O (5)	2
		CH ₄ (5)	12
		CO ₂ (5)	238,938
		CO ₂ e	239,963
BLR12	Boiler 12	N ₂ O (5)	3
		CH ₄ (5)	15
		CO ₂ (5)	289,430
		CO ₂ e	290,675
FUG	Boiler Fugitives (6)	CH ₄ (5)	8
		CO ₂ e	192
MSSFUG	Planned Maintenance Activities (6)	CH ₄ (5)	1
		CO ₂ e	19

(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) CH₄ - methane
 CO₂ - carbon dioxide
 CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014): CO₂ (1), N₂O (298), CH₄ (25), and SF₆ (22,800).

Emission Sources - Maximum Allowable Emission Rates

N₂O - nitrous oxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. These emission rates include maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 4, 2015

EXHIBIT B

Public Comments on Draft Permit No. O1440



707 Rio Grande, Suite 200
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November 13, 2015

Ms. Bridget C. Bohac
Chief Clerk, MC-105
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087
Fax: (512) 239-3311

Via Electronic Filing

Re: Public Comments Regarding Draft Renewal Title V Permit No. O1440, Authorizing Operation of Phillips 66 Company's Borger Refinery in Hutchinson County, Texas, RN102495884

Phillips 66 Company's ("Phillips 66") Borger Refinery is a major source of air pollution located in the community of Borger, Texas that produces furnace oil, jet fuels, stove oil, kerosene, and dual purpose fuel oil. On August 28, 2013, Phillips 66 submitted an application to renew Title V Permit No. O1440, which authorizes operation of the refinery. The Executive Director of the Texas Commission on Environmental Quality ("TCEQ") subsequently issued a draft permit and proposed to approve Phillips 66's application. Phillips 66 published notice of the draft permit and the Executive Director's preliminary decision on October 14, 2015.

I. INTRODUCTION

The Environmental Integrity Project and Sierra Club ("Commenters") appreciate this opportunity to comment on Draft Renewal Title V Permit No. O1440 ("Draft Permit"). Each Title V permit must include "enforceable emission limitations and standards . . . and such other conditions as are necessary to assure compliance with applicable requirements . . . including the requirements of the applicable implementation plan." 42 U.S.C. § 7661c(a); 40 C.F.R. § 70.6(a)(1); *see also, Virginia v. Browner*, 80F.3d 869,873 (4th Cir. 1996); *see also*, 40 C.F.R. § 70.2 and 30 Tex. Admin. Code § 122.10 (defining "applicable requirement").

The Draft Permit is deficient for the following reasons:

- It incorporates Phillips 66's state-only flexible permit as a federally enforceable permit and indicates that Phillips 66 may use Texas's flexible permit program rules to authorize physical and operational changes increasing actual emissions from the Borger Refinery without a permit amendment;

- It fails to include monitoring, recordkeeping, and reporting requirements that assure compliance with applicable federal requirements;
- It fails to provide sufficient information about how Permits by Rule (“PBRs”) apply to facilities at the Borger Refinery to assure compliance with applicable requirements;
- It fails to provide sufficient information about how standard permits apply to facilities at the Borger Refinery to assure compliance with applicable requirements;
- It fails to properly identify facilities subject to conditions and limits established by Permit No. 80799;
- It improperly incorporates the State’s disapproved affirmative defense for excess emissions during planned maintenance, startup, and shutdown activities (“MSS”) as a federally enforceable requirement; and
- It may limit the kinds of credible evidence that members of the public, EPA, and State may rely on to demonstrate non-compliance with applicable requirements.

II. ISSUES

A. Phillips 66 May Not Use Texas’s Minor Source Flexible Permit Program to Authorize Facilities at the Borger Refinery

The Clean Air Act “distinguishes between major and minor pollution sources based on a threshold amount of pollution; major sources are subject to much more stringent regulations.” *Environmental Integrity Project v. EPA*, 2015 WL 4399482 (5th Cir. 2015) (“*Flex II*”). Texas’s flexible permit program is a federally-approved program for minor sources that creates an allowables-based exemption to the State’s preconstruction approval process for modifications. *See*, 30 Tex. Admin. Code §§ 116.721 (changes to a source increasing emissions only require an amendment if increases are significant); 116.718 (flexible permit emissions increases below current allowables are insignificant); 116.10(9)(E) (physical and operational changes within the scope of a flexible permit are not modifications that require a permit amendment). While this exemption may not threaten the integrity of Texas’s major source permitting programs if it is only available to minor sources, it undermines the enforceability of major source requirements if it is made available to major sources. Accordingly, as Texas argued to the 5th Circuit Court of Appeals and as the Court subsequently held, Texas may not issue flexible permits to major sources and emission caps in flexible permits must remain below the applicable major source threshold. *Flex II* at *1 (holding that major sources may not use flexible permits, that such sources are regulated under Texas’s more stringent Major NSR rules, and that emission caps in

federally-approved flexible permits must remain below the major source threshold); *see also*, Brief of Intervenor, State of Texas, In Support of Respondent Environmental Protection Agency, 2015 WL 1156712 at *7 (“[M]inor new source review . . . pertains to the construction of new *minor sources* and to *minor modifications* of minor sources. A minor source is any source that is not a major source”) and *16 (“Texas’s Flexible Permit Program is a state *minor* new source review program”) (emphasis in original); Petition for Review, *State of Texas v. EPA* (“*Flex I*”) (July 23, 2010) (“The FPP is a voluntary authorization mechanism for *Minor NSR sources* designed to enhance control of emissions while allowing for greater operational flexibility”) (emphasis added).

Phillips 66 may not use Texas’s federally-approved flexible permit program rules to authorize construction of or modification to facilities at the Borger Refinery, because the refinery is a major source of air pollution. The Draft Permit fails to assure compliance with the limits of Texas’s federally approved *minor source* flexible program and the State’s federally-approved rules for major sources, because it incorporates by reference a state-only major source flexible permit, Permit No. 9868A (which establishes emission caps much higher than applicable major source threshold) as a federally-enforceable authorization and indicates that Texas’s flexible permit program rules at 30 Texas Administrative Code, Chapter 116, Subchapter G are available to Phillips 66 to authorize construction at the Borger Refinery. Draft Permit, Special Conditions 17, 21, and New Source Review Authorization References Table.

Because Phillips 66’s flexible permit is a state-only authorization and because the flexible permit program is not a proper means for authorizing major sources like the Borger Refinery, EPA required Phillips 66 to submit an application to the TCEQ to convert its flexible permit into a federally-approved Subchapter B major source permit. *See*, Amendment Application to Restructure Permit 9868A Under 30 TAC Chapter 116, Subchapter B, submitted by Phillips 66 on May 24, 2012. According to the TCEQ’s website, that application has been on “management delay” for over three years.¹ To assure compliance with federally-enforceable major NSR requirements, the Executive Director must revise the Draft Permit to indicate that Flexible Permit No. 9868A is a state-only authorization and act on Phillips 66’s de-flex amendment application without further delay.

Even if the Executive Director disagrees that flexible permits may only be issued to minor sources, he must still revise the Draft Permit to make it clear that Phillips 66’s flexible permit is a state-only authorization that does not entitle Phillips 66 to use Texas’s federally-approved flexible permit alteration rules. Phillips 66’s flexible permit is a state-only permit, because it was issued prior to EPA’s program approval under program rules that differ in important respects from the rules approved by EPA. *Approval and Promulgation of Implementation Plans; Texas; Flexible Permit Program*, 79 Fed. Reg. 40,666, 40,667-68 (July

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http://www2.tceq.texas.gov/airperm/index.cfm?fuseaction=airpermits.project_report&proj_id=178353&addn_num_txt=9868A

14, 2014) (strongly rejecting suggestion that program approval transforms pre-approval state-only permits into federally approved permits, because such permits were issued under different program rules); 40 C.F.R. § 51.105 (“Revisions of a plan, or any portion thereof, will not be considered part of an applicable plan until such revisions have been approved by the Administrator in accordance with this part”).

Requested Revision to the Title V Permit:

To assure compliance with Texas’s federally-approved preconstruction permitting rules for major and minor sources, the Executive Director must revise the Draft Permit to indicate the Phillips 66’s flexible permit is a state-only permit and that Phillips 66 may not use Texas’s flexible permit program alteration rules to authorize changes to the Borger Refinery.

- If the Executive Director contends that Phillips 66’s flexible permit is a federal permit, Commenters ask that he identify the basis of his authority to issue major source flexible permits establishing emission caps that exceed the applicable major source threshold;
- If the Executive Director contends that Texas’s flexible permit rules allow him to issue flexible permits for major sources, Commenters ask that he explain why that reading of the rules is not foreclosed by the State’s own pleadings and briefing and the Fifth Circuit Court of Appeal’s decisions in *Flex I* and *Flex II*;
- If the Executive Director contends that Texas’s flexible permit rules allow him to establish flexible permit caps that exceed the applicable major source threshold, Commenters ask that he explain why that reading of the rules is not foreclosed by the Fifth Circuit Court of Appeals decision in *Flex II*; and
- Commenters request that the Executive Director identify the basis for his authority to place Phillips 66’s de-flex application on management delay for over three years and that he explain whether and when he intends to take action on that application;
- If the Executive Director contends that he is not obliged to expeditiously take final action to approve or deny Phillips 66’s deflex application, Commenters ask that he provide the basis for that contention.

B. Monitoring

Title V permits must include monitoring requirements that assure compliance with the permit terms and conditions. 42 U.S.C. §§ 7661c(a) and (c); 40 C.F.R. § 70.6(a)(3)(i)(A)-(B) and (c)(1); 70.7(a)(5). To comply with this mandate, permitting authorities must take four steps:

- (1) Permitting authorities must ensure that monitoring requirements contained in applicable requirements are properly incorporated into the Title V permit;
- (2) If the applicable requirements contain no periodic monitoring, permitting authorities must add periodic monitoring sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the permit;
- (3) If there is some periodic monitoring in the applicable requirement, but that monitoring is not sufficient to assure compliance with the permit terms and conditions, permitting authorities must supplement monitoring to assure such compliance; and
- (4) Permitting agencies must clearly document the rationale for the monitoring requirements they select in the permit record.

In the Matter of United States Steel Corp.—Granite City Works, Order on Petition No. V-2009-03 (January 31, 2011) (“Granite City I Order”) at 7-8; *In the Matter of Shell Chemical LP and Shell Oil Co.*, Order on Petition Nos. VI-2014-04 and VI-2014-05 (September, 24, 2015) (“Deer Park Order”) at 18.

The Draft Permit is deficient, as explained below, because it does not properly incorporate applicable monitoring requirements, it fails to establish periodic monitoring requirements for applicable requirements that do not include monitoring, it fails to supplement insufficient monitoring requirements in applicable requirements, and the permit record fails to provide a clear rationale for the monitoring requirements selected.

1. Monitoring Conditions Incorporated into the Draft Permit Fail to Assure Compliance with Applicable Requirements in Phillips 66's NSR Permits

a. PBR Monitoring

Title V permits must specify monitoring methods that assure compliance with each applicable requirement. . 42 U.S.C. § 7661c(c); *In the Matter of Wheelabrator Baltimore, L.P.*, Permit No. 24-510-01886 (April 14, 2010) at 10. Emission limits, terms, and conditions of claimed PBRs are applicable requirements. 30 Tex. Admin. Code § 122.10(2)(H). The Draft Permit is deficient because it fails to specify monitoring methods that assure compliance with applicable PBR requirements.

The Draft Permit incorporates by reference the following PBRs as applicable requirements: 106.261, 106.262, 106.263, 106.371, 106.472, 106.511, 106.512, 106.532, and 106.533. Draft Permit at 239.

Facilities authorized by these PBRs must comply with general PBR requirements listed at 30 Tex. Admin. Code § 106.4 as well as any requirements listed in the specific claimed PBRs. Draft Permit, Special Conditions 17 and 18. Requirements listed at § 106.4 include emission limits for facilities authorized by PBR, *Id.* at § 106.4(a)(1), as well as a prohibition on the use of PBRs to authorize construction of a new major source or a major modification of an existing source. *Id.* at §§ 106.4(a)(2) and (3). Because the NO_x, CO, H₂SO₄, H₂S, and TRS emissions limits established by 30 Tex. Admin. Code § 106.4(a)(1) exceed the netting trigger to determine major NSR applicability for modifications in attainment areas, and because PBRs can be used to authorize increases of other pollutants at multiple facilities at levels that exceed applicable netting thresholds, projects authorized by PBR may trigger netting requirements listed at 30 Tex. Admin. Code § 116.160(b).²

The emission limits established by 30 Tex. Admin. Code § 106(a)(1), the prohibition on emissions increases that trigger PSD requirements at § 106(a)(2) and (3), and the requirement to conduct netting to determine major NSR applicability for PBR increases that exceed netting thresholds are all applicable requirements and the Draft Permit must specify monitoring methods that assure compliance with them.

In addition to these general PBR requirements, the following emission limits and standards contained in the specific PBRs claimed by Phillips 66 are applicable requirements of the Draft Permit:

PBRs 106.261 and 106.262 claimed by Phillips 66 establish hourly and annual emission limits for various contaminants, *Id.* at §§ 106.261(a)(2) and (3); 106.262(a)(2) and prohibit visible emissions exceeding five percent. *Id.* at §§ 106.261(a)(5); 106.262(a)(5). Additionally, 106.262(a)(4) limits the amount of certain chemicals that may be stored on property.

PBR 106.263, which applies to routine maintenance, start-up, and shutdown of facilities and temporary facilities establishes daily emission limits, *Id.* at § 106.263(d)(1), requires a case-by-case permit for activities that exceed these limits, *Id.* at § 106.263(d)(2), incorporates by reference emission limits and conditions established by various other PBRs for specific source categories, *Id.* at § 106.263(e)(1)-(5), requires a case-by-case permit for activities that exceed these limits, *Id.* at § 106.263(e)(6), and incorporates emission limits listed in 106.4(a)(1)-(3) in any rolling 12-month period. *Id.* at § 106.263(f).

PBR 106.511, which applies to portable and emergency engines and turbines, limits the maximum operation of such units authorized by PBR to ten percent of the normal annual operating schedule of the primary equipment.

² While 30 Tex. Admin. Code § 106.4(a)(1) does not establish specific limits for H₂SO₄, H₂S, and TRS, it contains a 25 tons per year limit for unlisted contaminants. *Id.* at § 106.4(a)(1)(E).

PBR 106.512, which applies to stationary engines and turbines, requires operators to register emissions from engines and turbines rated 240 horsepower or greater, *Id.* at § 106.512(1), establishes emission limits and operating requirements for engines and turbines 500 horsepower or greater, *Id.* at §§ 106.521(2) and (3), and limits the kinds and pollutant content of fuel used to power facilities authorized by the PBR. *Id.* at § 106.512(5).

Though the Draft Permit and Texas’s Chapter 106 rules require Phillips 66 to maintain records demonstrating compliance with applicable PBR requirements, *Id.* at §§ 106.8(c) and 106.263(g); Draft Permit, Special Condition 19, the Draft Permit is deficient because it does not specify the monitoring methods Phillips 66 must use to determine compliance with each applicable PBR requirement.³ Instead, the Draft Permit outsources the TCEQ’s obligation to specify the monitoring method(s) that will assure compliance with each applicable requirement to Phillips 66. Draft Permit, Special Condition 19 (establishing non-exhaustive list of data Phillips 66 may consider, at its discretion, to determine compliance with PBR requirements). This outsourcing renders the Draft Permit deficient for three reasons: First, the Draft Permit is deficient because it fails to specify monitoring requirements for each applicable requirement. Second, the Draft Permit is deficient, because the permitting record does not explain how the Draft Permit assures compliance with PBR requirements. Finally, the Draft Permit is deficient, because the Executive Director’s failure to specify monitoring methods for applicable PBR requirements and to identify the monitoring methods Phillips 66 has selected prevented the public from evaluating whether Title V monitoring requirements have been met. *See In the Matter of United States Steel—Granite City Works*, Order on Petition No. V-2011-2 (December 3, 2012) (“Granite City II Order) at 9-12 (granting petition for objection, because the “permit fails to specify the monitoring methodology and also fails to provide a mechanism for review of the methodology by IEPA, the public, and EPA after the permit is issued. It is impossible to know whether the periodic monitoring chosen by the source assures compliance with the permit terms and conditions as required by 40 C.F.R. §§ 70.1(b) and 70.6(c)(1) because that monitoring has not been determined yet.”). For example, Commenters would likely review and/or challenge PBR monitoring relying upon undefined “engineering calculations” to determine compliance without more information about how those calculations were to be made and evidence that operational conditions presumed by the calculations are consistent with actual conditions at the Borger Refinery.

The Draft Permit’s Special Condition 19 recordkeeping requirement is deficient for an additional reason: It fails to require permit records demonstrating compliance to be made available to the public, as required by Texas’s Title V program. Deer Park Order at 15 (“[T]he permit records for demonstrating compliance with PBRs must be available to the public as required under the approved Texas title V program”).

³ 30 Tex. Admin. Code § 106.512 may contain monitoring requirements sufficient to assure compliance with applicable requirements. Commenters request that the Executive Director clarify which monitoring requirements listed in this PBR apply to facilities at the Borger Refinery.

Requested Revision to the Title V Permit

To assure compliance with incorporated PBR requirements, the Executive Director should revise the Draft Permit to specify the monitoring method(s) that assure compliance with each applicable PBR requirement, and provide a reasoned basis for his determination that such methods assure compliance. The Executive Director must also revise the Draft Permit to require any records used to demonstrate compliance with PBR requirements be made available to the public on request. After these revisions are made, the Executive Director must re-notice the Draft Permit and allow the public an opportunity to comment on the monitoring methods for PBR requirements.

b. The Draft Permit Fails to Identify Monitoring, Recordkeeping, and Reporting Requirements that Assure Compliance with Phillips 66’s Case-by-Case NSR Permits

(i) Flexible Permit No 9868A

If the Executive Director determines that Phillips 66’s major source flexible permit is a federally-approved permit that must be included in the Draft Permit, he must still revise the Draft Permit to include monitoring, recordkeeping, and reporting requirements that assure compliance with the permit’s emission limits and Texas’s flexible permit program rules.

(a) The Flexible Permit Fails to Specify Monitoring Requirements for Various Facilities

According to the Draft Permit’s Major NSR Summary Table, Permit No. 9868A/PSDTX102M7 does not contain any monitoring, testing, recordkeeping, or reporting requirements that assure compliance with the following hourly and annual emission limits:

EPN	Source Name	Pollutant	lbs/hr	TPY
29P1	Unit 29 FCCU Stack	NH ₃	9.75	42.71
		HCl	.45	1.96
40P1	Unit 40 FCCU Stack	NH ₃	9.75	42.71
		HCL	.22	.98
34I1	SRU TGI	PM ₁₀	.03	.13
F-56-1-4-A(2&5)	West DAF	NH ₃	.24	1.06
		H ₂ S	1.81	7.91
F-56-1-12	Flash Mixing	NH ₃	.01	.01
		H ₂ S	.01	.06
F-56-1-17	Flocculation	NH ₃	.01	.03
		H ₂ S	.05	.24

Draft Permit at 261-264.

Because the Draft Permit indicates that there are no requirements to assure compliance with these limits, it fails to assure compliance with applicable requirements.

(b) The Flexible Permit Fails to Specify Methods for Calculating Actual Emissions and Demonstrating Compliance with Annual and Short-Term Flexible Permit Emission Caps

Flexible permits must specify methods for calculating annual and short term emissions from each type of facility covered by an emission cap to assure compliance: :

Each flexible permit shall specify requirements for monitoring or demonstrating compliance with emission caps and individual emission limits in the flexible permit.

Each flexible permit shall specify methods for calculating annual and short term emissions for each pollutant for a given type of facility.

30 Tex. Admin. Code §§ 116.715(c)(5)(A) and (B).

Phillips 66's state-only major source flexible permit does not include such provisions and fails to assure compliance with its emission caps. While the flexible permit does require Phillips 66 to monitor various operating parameters for facilities it authorizes, the flexible permit does not—as Texas's federally-approved rules require—directly specify how emissions from each type of unit are to be calculated or how compliance with applicable emissions caps is to be demonstrated. Instead, the permit requires Phillips 66 to develop recordkeeping programs outside the permitting context:

Recordkeeping programs for those facilities authorized by the flexible permit shall be established and maintained such that the ability to demonstrate compliance with all authorized caps (short-term and annual) are ensured. Records of all compliance testing, CEM results, and process parameters necessary to demonstrate compliance with the emission rate caps shall be maintained on-site for a period of three years.

Permit No. 9868A, Special Condition 57.

Because these recordkeeping programs are applicable requirements and are necessary to assure compliance with Phillips 66's emission caps and Texas's flexible permit program rules, they must be identified in Phillips 66's application, included in the Draft Permit, and available for review during the public comment period. The recordkeeping programs, however, are not mentioned in the Draft Permit, the Statement of Basis, and are not described in Phillips 66's application. Accordingly, the Draft Permit is incomplete and fails to assure compliance with Texas's flexible permit program rules and emission caps in Phillips 66's flexible permit. 40

C.F.R. § 70.6(c)(1). The Executive Director must require Phillips 66 to submit a complete application with the recordkeeping programs, attach the recordkeeping programs to the Draft Permit, and then re-notice the Draft Permit to allow members of the public an opportunity to review and comment on the recordkeeping programs. *Id.* at §§ 70.5(c); 70.7(h)(2); In the Matter of WE—Oak Creek Power Plant, Order on Petition to Object to Permit No 241007690-P10 (June 12, 2009) at 25-26. If Phillips 66 has not established the recordkeeping programs required by Special Condition 57, the Executive Director must establish monitoring and recordkeeping requirements that assure compliance with the flexible permit emission caps. Additionally, the Executive Director must revise the Statement of Basis to explain why the compliance options added to the Draft Permit are sufficient to assure compliance with applicable requirements.

Requested Revision to the Title V Permit:

To assure compliance with flexible permit emission caps and Texas’s flexible permit program rules, the Executive Director must revise the Draft Permit to specify the monitoring method(s) Phillips 66 must use to demonstrate compliance with flexible permit requirements and the methods Phillips 66 must use to calculate short and long term emissions from each type of facility covered by the flexible permit. Additionally, the Executive Director must revise the Statement of Basis to explain how the revised Draft Permit assures compliance with applicable requirements. After these revisions are made, the Executive Director must re-notice the Draft Permit to give members of the public an opportunity to review these revisions.

(ii) Permit No. 85872/PSDTX1158M1

(a) Special Condition 20 Fails to Assure Compliance with VOC Limits

The Draft Permit’s Major NSR Summary Table indicates that the following VOC emission limits in PSD Permit No. 85872/PSDTX1158M1 are not subject to any monitoring, testing, or reporting requirements:

EPN	Source Name	lbs/hr	TPY
SKIDBLR	Skid Boiler	1.97	8.61
81B17	Boiler 2.4 Pre-Mod	2.49	3.35
	Boiler 2.4 Post-Mod	2.49	10.92
BLR12	Boiler 12	3.02	13.23
MSSFUG	Planned Maintenance Activities	14.58	.55

Draft Permit at 265-266.

According to the Draft Permit, the only condition of Permit No. 85872/PSDTX1158M1 that assures compliance with these limits is the recordkeeping requirement at Special Condition 20. *Id.* Special Condition 20 requires Phillips 66 to maintain records based on testing, CEMs data, and various other monitoring method required by the permit. Special Condition 20,

however, cannot assure compliance with the above-listed VOC limits, because it does not reference or identify *any* VOC monitoring requirements that apply to the relevant facilities. Because the Draft Permit indicates that there are no monitoring, testing, or reporting requirements that assure compliance with these limits, and because the recordkeeping provision identified by the Draft Permit does not actually address VOC emissions from facilities subject to the limits, the Draft Permit fails to assure compliance with applicable requirements.

Even if Special Condition 20 did incorporate specific VOC monitoring and emission calculation requirements sufficient to determine compliance with the limits, the Draft Permit is still deficient, because it fails to make compliance records publicly available. To assure compliance with applicable requirements, the Clean Air Act and Texas’s Title V program require that documents used to demonstrate compliance with applicable requirements be made publicly available. Deer Park Order at 15.

(b) Permit No. 85872/PSDTX1158M1 Fails to Assure Compliance with Particulate Matter Emission Limits

The Draft Permit’s Major NSR Summary Table lists the following PM/PM₁₀/PM_{2.5} limits and compliance assurance special conditions for combustion sources authorized by Permit No. 85872/PSDTX1158M1:

EPN	Source Name	lbs/hr	TPY	Monitoring and Testing	Recordkeeping
SKIDBLR	Skid Boiler	2.72	11.90	3, 11	3, 10, 11, 20
81b17	Boiler 2.4 Pre-Mod	3.44	4.63	3, 11	3, 11, 20
81b17	Boiler 2.4 Post-Mod	3.44	15.09	3,11	3, 11, 20
BLR12	Boiler 12	4.17	18.28	3, 11	3, 10, 11, 20

Draft Permit at 265-266.

The Major NSR Summary Table indicates that there are no applicable reporting requirements for these limits. *Id.* As explained below, the referenced monitoring, testing, and recordkeeping requirements are not sufficient to assure compliance with the applicable hourly and annual limits.

Permit No. 85872/PSDTX1158M1, Special Condition 3 requires Phillips 66 to conduct weekly visible emissions observations to be conducted at each of its boiler stacks to assure that opacity remains below 5 percent averaged over a six minute period during normal operations and below 15 percent averaged over a six minute period during MSS operations. Neither the Draft Permit, nor the Statement of Basis, nor the permit application demonstrate a reliable correlation between observed opacity levels and PM emission rates over any averaging period or specify an indicator range consistent with compliance with the PM limits. These documents are also silent

regarding the Executive Director's basis for determining that weekly opacity monitoring is sufficient to assure ongoing compliance with hourly and annual permit limits.

Permit No. 85872/PSDTX1158M1, Special Condition 11 requires Phillips 66 to “comply with applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants . . . for Source Categories, 40 CFR Part 63[,] . . . Subpart A: General Provisions[, and] . . . Subpart DDDDD: National Emission Standards for HAPs for Industry, Commercial, and Institutional Boilers and Process Heaters.” However, neither Permit No. 85872/PSDTX1158M1 nor the Draft Permit indicates which Part 63, Subpart DDDDD requirements apply to boilers at the Borger Refinery. *See, e.g.*, Draft Permit at 198 (stating that Phillips 66 Skid Boiler must comply with “applicable” Subpart DDDDD requirements without identifying which requirements apply). Indeed, the Draft Permit only lists Subpart DDDD as applying to one of the three above-listed boilers. *Id.* Even if Subpart DDDDD applies to all of these facilities, it is unclear to Commenters whether any of the Subpart DDDDD PM monitoring, recordkeeping, or reporting requirements actually apply to these facilities. This is so, because Subpart DDDDD imposes different limits and conditions on different categories of facilities, and combustion units at the Borger Refinery may not be subject to any PM limits or monitoring requirements under the rules. Furthermore, where Subpart DDDDD does establish PM limits and monitoring requirements, these provisions only cover *filterable* PM, while Phillips 66's permit limits regulate emissions of *total* PM (filterable and condensable). Finally, many Subpart DDDDD PM limits and monitoring requirements exempt emissions during maintenance activities, while Permit No. 85872/PSDTX1158M1 annual emission limits apply at all times. Permit No. 85872/PSDTX1158M1, MAERT n4 (“Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates include emission from MSS”).

Thus, Permit No. 85872/PSDTX1158M1, Special Condition 11 cannot assure ongoing compliance with the permit's total PM limits, because the Draft Permit does not indicate which Subpart DDDDD provisions apply to Phillips 66's boilers, the applicable Subpart provisions may not require compliance with any PM requirements, potentially applicable PM requirements only apply to filterable emissions, and may not apply during MSS activities.

Permit No. 85872/PSDTX1158M1, Special Condition 10, which establishes recordkeeping requirements for Phillips 66's Skid Boiler and Boiler 12 provides that these two facilities must comply with applicable requirements in EPA's New Source Performance Standards for Industrial-Commercial-Institutional Steam Generating Units (Subpart Db) and Petroleum Refineries constructed, reconstructed, or modified after May 14, 2007 (Subpart Ja). This special condition fails to assure compliance with applicable PM limits, because it is unclear which specific NSPS Ja and Db requirements actually apply to each of these facilities, the potentially applicable NSPS requirements apply only to filterable PM, and the rules contain exemptions for excess emissions during maintenance and malfunction events, while Phillips 66's permit limits regulate total PM emissions and apply at all times. Additionally, the Executive

Director failed to explain how the recordkeeping requirement at Special Condition 10 assures compliance with applicable PM limits.

As explained above, Permit No. 85872/PSDTX1158M1, Special Condition 20 requires Phillips 66 to maintain records based on testing, CEMs data, and various other monitoring methods required by the permit. While this special condition requires Phillips 66 to maintain complete copies of stack tests conducted on Phillips 66's boilers, it fails to assure compliance with the PM limits, because the permit's stack test provision (Special Condition 13) does not require Phillips 66 to test for PM emissions and Special Condition 20 does not explain how Phillips 66 must use data in its records to determine compliance with the applicable PM limits.

Requested Revision to the Title V Permit:

The Executive Director must revise the Draft Permit to identify monitoring, recordkeeping, and reporting requirements that assure compliance with all emission limits in Permit No. 85872/PSDTX1158M1. If the permit does not establish such conditions for all applicable limits, the Executive Director must add requirements to the Draft Permit that assure compliance with the limits. Additionally, the Executive Director should revise the Draft Permit to provide that records used to demonstrate compliance with applicable requirements must be made publicly available. The Executive Director must also revise the Statement of Basis to explain how the monitoring, recordkeeping, and reporting requirements listed in the revised Draft Permit assure compliance with applicable requirements.

(iii). Permit No. 80799

Permit No. 80799 authorizes planned MSS activities at various facilities at the Borger Refinery, including facilities previously-authorized by and subject to emission limits in Phillips 66's PSD and flexible permits. See Attachment 1, Permit No. 80799, Special Condition 2 and Attachment D.⁴ According to Permit No. 80799, "[a]ll permanent facilities must comply with all operating requirements, limits, and representations in other NSR permits during startup and shutdown unless alternate requirements for emissions from routine emission points are identified below." *Id.* at Special Condition 12. Permit No. 80799 does not identify alternative hourly and annual emission limits for facilities authorized by Phillips 66's flexible and PSD permits. Accordingly, to assure compliance with short and long-term limits in Phillips 66's NSR permits, the Draft Permit must specify monitoring methods for MSS activities at permanent facilities that assure compliance with those limits. For facilities authorized by Phillips 66's flexible permit, the Draft Permit must also specify methods for calculating annual and short term emissions for each pollutant for each type of facility where MSS activities area authorized. 30 Tex. Admin. Code § 116.715(c)(5)(B). The Draft Permit fails to assure compliance with applicable requirements,

⁴ References to Permit No. 80799 Special Conditions and Attachments are based on the version of the permit issued on September 12, 2011. While the Draft Permit incorporates a later version of this permit, issued on November 9, 2014, a copy of the most current special conditions was not available on the TCEQ's remote document server during the public comment period.

because it does not specify monitoring methods and calculation methods for MSS activities for many covered facilities.

For example, Permit No. 80799, Special Condition 2 states that emissions from the following “Routine Maintenance Activities”: valve and piping maintenance/replacement, pipeline pigging, compressor maintenance, maintenance on pumps, and heat exchanger maintenance “shall be calculated using the number of work orders or equivalent that month and the emissions associated with that activity identified in the permit application.” For other MSS activities, Permit No. 80799 states “the emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice.” This Special Condition fails to assure compliance with hourly and annual emission limits in Phillips 66’s permits authorizing facilities affected by Permit No. 80799, because it does not identify the methods Phillips 66 must use to calculate MSS emissions, does not identify the application(s) that contains the relevant information, does not describe how this information should be applied to determine actual emissions, and because the Executive Director has not explained how emission calculation methods described in Phillips 66’s application(s) assure compliance with the applicable limits. Granite City I Order at 43.

Requested Revision to the Title V Permit:

The Executive Director must revise the Draft Permit to identify monitoring, recordkeeping, and reporting requirements to assure that MSS emissions authorized by Permit No. 80799 will be accurately accounted for when Phillips 66 determines compliance with emission limits in that permit as well as other permits that authorize facilities listed in Permit No. 80799. If the permit does not establish such conditions for all applicable limits, the Executive Director must add requirements to the Draft Permit that assure compliance with the limits. Additionally, the Executive Director should revise the Draft Permit to provide that records used to demonstrate compliance with applicable requirements must be made publicly available. The Executive Director must also revise the Statement of Basis to explain how the monitoring, recordkeeping, and reporting requirements listed in the revised Draft Permit assure compliance with applicable requirements.

C. The Draft Permit Fails to Identify, Incorporate, and Assure Compliance with PBR Requirements

1. The Draft Permit’s Method of Incorporating Permit by Rule Requirements by Reference Fails to Assure Compliance

The Draft Permit incorporates by reference many PBR limits and requirements. Draft Permit at 239-257 (listing PBRs incorporated by reference into the Draft Permit). To assure compliance with applicable requirements, the Executive Director must “ensure that Title V permits are clear and unambiguous as to how emission limits [established by PBRs] apply to

particular emissions units.” *In the Matter of Premcor Refining Group*, Order on Petition No. VI-2007-02 (May 28, 2009) at 6, n3. Though IBR of PBRs may be proper in some cases, Title V permits that incorporate PBRs by reference must provide enough information about facilities authorized by PBRs to allow readers to answer the following basic questions about how incorporated PBRs apply to Title V sources: (1) how much pollution may each facility emit under claimed PBRs, (2) which pollutants may each facility emit under claimed PBRs, and (3) which PBRs apply to each facility. The Draft Permit is deficient—not because it fails to directly include the text of the incorporated PBRs—but because it does not include information a reader needs to understand how PBRs apply to facilities at the Borger Refinery.

a. How Much Pollution May Phillips 66 Emit Under Claimed PBRs?

Before any actual work is begun on a new or modified facility, an operator must obtain a permit or permit amendment authorizing the project. 30 Tex. Admin. Code § 116.110(a). To authorize construction of new or modified facility, an operator may apply for and obtain a case-by-case permit. *Id.* at §§ 116.110 and 116.111. In lieu of applying for a new or amended case-by-case permit under § 116.111, an operator may instead claim a PBR (or PBRs) to authorize construction or modification of a facility, so long as the proposed construction project complies with PBR requirements. *See, e.g., Id.* at §§ 106.4(a) (listing general requirements that must be met to qualify for a PBR); 116.110(a)(4) (stating that construction may be authorized by PBR); and 116.116(d) (stating that a PBR may be used in lieu of a permit amendment to authorize construction). While each case-by-case permit is assigned a unique permit number⁵ and includes facility-specific emission limits and special conditions based on the Executive Director’s review of the operator’s application, PBRs establish generic emission limits and operating requirements that apply to all new and modified facilities authorized via PBR (unless the operator registers PBR emissions at lower rates). These generic requirements are found in Texas’s PBR rules. When construction of new or modified facilities is authorized by PBR, the PBR(s) claimed by the operator—*i.e., the rule itself*—is the permit authorizing the project. *See, e.g.,* 30 Tex. Admin. Code § 106.454 (“Any degreasing unit that satisfies the following conditions of this section is permitted by rule”).

Thus, while the Draft Permit identifies the case-by-case permits it incorporates by listing their unique permit numbers and date of issuance, it identifies the PBRs Phillips 66 has claimed by their *rule* numbers and the date that each rule was promulgated (not the date(s) Phillips 66 claimed each PBR). Draft Permit at 239-240. This way of listing applicable requirements is misleading, because it suggests that each claimed PBR, like the case-by-case permits identified in the Draft Permit, is a single permit. This suggestion is misleading because Phillips 66 may

⁵ The TCEQ’s numbering conventions are actually a bit more complicated than this. A case-by-case permit may have up to three different unique numbers. Each PSD or NNSR permit will have two numbers: a state permit tracking number and a federal permit tracking number.

claim the same PBR to separately authorize construction of or modifications to different facilities, various modifications to a single facility, or various modifications that affect several different facilities at the Borger Refinery.

According to the TCEQ's Permit by Rule Applicability Checklist, PBRs may only be used to authorize construction or modification of facilities if (1) emissions from **each** facility are below the 106.4(a)(1) thresholds; and (2) emissions from **all** facilities covered by the PBR submittal are below the 106.4(a)(1) thresholds. PBR Checklist, Section 1.⁶ Because PBR limits may apply to a single facility or establish caps that cover multiple facilities depending how many facilities are included in each PBR submission and how many submissions Phillips 66 has made, one cannot tell from the Draft Permit and information in the incorporated PBR rules how much each facility at the Borger Refinery is authorized to emit under the various PBRs listed by the Draft Permit. For example, Phillips 66 has claimed PBR 106.511 to authorize multiple engines at the Borger Refinery. Draft Permit at 251-252. Each such engine is a facility, and 30 Tex. Admin. Code § 106.4(a)(1) establishes a ceiling for the amount of pollution that can be authorized from each engine under PBR. If each engine was separately authorized through a series of PBR submissions, the 106.4(a)(1) limits apply to each engine separately, and total cumulative emissions from the engines may equal the 106.4(a)(1) limits multiplied by the number of engines. However, if each engine was authorized as part of the same submission, then Phillips 66 must maintain total cumulative emissions from all the engines below the 106.4(a)(1) limits. PBR Checklist, Section 1. Matters are even more complicated than this, because Texas's rules allow Phillips 66 to certify and register PBR emissions at levels that are lower than the limits specified by the applicable rules to avoid triggering PSD netting requirements. 30 Tex. Admin. Code § 106.6; *Approval and Promulgation of Implementation Plan; Texas; Revisions to Regulations for Permits by Rule*, 68 Fed. Reg. 64,543, 64,547 (November 14, 2003). ("The [PBR] regulations allow a source to limits PTE of a pollutant below the level of a major source defined in the Act. This includes regulations which Texas revised to allow an owner or operator of a source to register and certify restrictions and limitations that the owner or operator will meet to maintain its PTE below the major source threshold").

The Draft Permit is incomplete and fails to assure compliance with PBR requirements, because readers cannot determine, based on the text of the incorporated PBR rules and other information in the Draft Permit, how much pollution Phillips 66 is authorized to emit from each facility under any of the claimed PBRs.

⁶ Available electronically at <https://www.tceq.texas.gov/assets/public/permitting/air/Forms/PermitsByRule/Checklists/10149.pdf>

b. Which Pollutants May Phillips 66 Emit Under Claimed PBRs?

Texas's General PBR requirements indicate that PBRs may be used to authorize emissions of *any* contaminant other than water, nitrogen, ethane, hydrogen, oxygen, and greenhouse gasses. 30 Tex. Admin. Code § 106.4(a)(1)(E).⁷ However, claiming a PBR for a project does not authorize emissions of all pollutants up to the limits identified in 106.4 and the specific claimed PBR (*i.e.*, 250 tpy NO_x and CO+25 TPY of VOC, SO₂, and PM+15 TPY PM₁₀+10 TPY PM_{2.5}+25 TPY Lead+25 TPY H₂S+25 TPY H₂SO₄ etc). That would run afoul of the TCEQ's reading of 30 Tex. Admin. Code § 106.4 as precluding PBR submissions to authorize emissions increases exceeding the applicable major source threshold. PBR Checklist, Section 3. Instead, only emissions related to the particular construction project for which the PBR is claimed are authorized. *See, e.g.*, 30 Tex. Admin. Code § 106.4(a) (stating that emissions from a facility authorized by PBR must remain below that 106.4(a)(1) emission limits, "*as applicable*") (emphasis added). The Draft Permit does not contain any information about the projects or emissions authorized by PBR for any facility at the Borger Refinery. Thus, one cannot determine—based solely on the text of Texas's PBR rules incorporated by reference into the Draft Permit—which pollutants Phillips 66 is authorized to emit from any PBR facility. Because the Draft Permit fails to provide sufficient information to allow a reader to determine which pollutants each PBR facility is authorized to emit, it is incomplete and fails to assure compliance with applicable PBR requirements. Because incorporated PBR emission limits and requirements are not enforceable, the Draft Permit is deficient.

c. Which Facilities are Subject to PBR Limits and Requirements?

While the Draft Permit incorporates the following PBRs, it does not identify any facility or group of facilities authorized by these permits: 106.263, 106.371, and 106.532. Because the Draft Permit does not even identify the facility or facilities authorized by and subject to the requirements of these PBRs, it fails to unambiguously describe how these permits apply to facilities at the Borger Refinery. Without this information, members of the public and federal regulators will not be able to determine which units must comply with these permits. *Objection to Title V Permit No. O2164, Chevron Phillips Chemical Company, Philtex Plant* (August 6, 2010) at ¶ 7 (draft permit fails to meet 40 C.F.R. § 70.6(a)(1), because it does not list any emission units to be authorized under specified PBRs). Moreover, even if an interested party is able to determine which facilities should be subject to one of these PBRs, a court is unlikely to enforce these requirements, because the Draft Permit fails to identify them as applicable for any specific facility or facilities at the Borger Refinery. *See United States v. EME Homer City Generation*, 727 F.3d 274, 300(3rd Cir. 2013) (explaining that the Court lacks jurisdiction to

⁷ The term "contaminant," as defined by the Texas Clean Air Act encompasses all federally regulated NSR pollutants. *See*, Tex. Health & Safety Code § 382.003(2).

enforce a requirement omitted from a Title V permit). Because this is so, the Draft Permit fails to identify and assure compliance with all applicable requirements.

- If the Executive Director contends that the Draft Permit’s method of incorporating PBR requirements assures compliance, Commenters respectfully request that the Executive Director identify the information in the Draft Permit, the Statement of Basis, and the text of the incorporated PBRs that indicates which facilities are covered by the following PBRs: 106.263, 106.371, and 106.532.

Requested Revision to the Title V Permit

The Executive Director must revise the Draft Permit to identify which pollutants and how much of each pollutant facilities at the Borger Refinery are authorized to emit under claimed PBRs.

- 30 Tex. Admin. Code § 106.4(a)(1) states that “[t]otal actual emissions authorized under permit by rule from the facility shall not exceed the following limits[.]” Commenters read this language to mean that total emissions from each facility authorized by PBR may not exceed the limits listed at 106.4(a)(1), regardless of how many PBRs are claimed or PBR submittals are made for that facility (*i.e.*, regardless of how many PBRs are claimed and how many PBR submittals are made to authorize changes to a particular tank, that tank may not emit more than 25 TPY of VOC without a case-by-case permit). Commenters ask that the Executive Director indicate whether this reading of the rule is correct;
- If the Executive Director contends that Commenters’ reading of 106.4(a)(1) is incorrect, Commenters ask that he clarify the proper reading of the rule and identify applicable guidance documents supporting that reading.

2. The Draft Permit Omits Applicable PBR Requirements

a. The Draft Permit Fails to Identify and Incorporate PBR Registrations as Applicable Requirements

Texas Title V permits must include and assure compliance with all applicable requirements, including “[a]ll requirements under Chapter 106, Subchapter A . . . (relating to Permits by Rule).” 30 Tex. Admin. Code § 122.10(2)(H) (defining “applicable requirements” to include PBR requirements); 42 U.S.C. § 7661c(a).

Texas’s Chapter 106, Subchapter A rules state that “[a]n owner or operator may certify and register the maximum emission rates from facilities permitted by rule under this chapter in order to establish federally-enforceable allowable emission rates which are below the emission

limitations in § 106.4[.]” 30 Tex. Admin. Code § 106.6(a). Various PBRs also require operators to register emissions. *See, e.g., Id.* at § 106.454(1)(A)(i). In cases where an operator registers emission rates, “[a]ll representations with regard to construction plans, operating procedures, and maximum emission rates in any certified registration become conditions upon which the facility permitted by rule shall be constructed and operated.” *Id.* at § 106.6(b). These source-specific PBR emission limits and conditions are applicable requirements that must be included in Title V permits and Title V permits must include conditions necessary to assure compliance with them.

Phillips 66 has certified and registered PBR emissions for various facilities at the Borger Refinery at levels substantially lower than the general PBR emission limits found at 30 Tex. Admin. Code § 106.4(a)(1) and the specific claimed PBRs. Attachment 2 (TCEQ Registration Letters for Borger Refinery). The Draft Permit, however, does not identify Phillips 66’s registrations as applicable requirements. Draft Permit at 239-257. Indeed, the Draft Permit fails to indicate that these registrations even exist. This omission suggests that all facilities authorized via PBR may emit up to the limits specified in § 106.4(a)(1). The Draft Permit’s failure to identify and include source-specific § 106.6 registration requirements is contrary to 42 U.S.C. § 7661c(a) and renders them unenforceable under the prevailing doctrine of collateral attack. *See United States v. EME Homer City Generation*, 727 F.3d 274, 300(3rd Cir. 2013) (explaining that the Court lacks jurisdiction to enforce a requirement omitted from a Title V permit).

Additionally, because Phillips 66’s PBR registrations contain information necessary to impose applicable PBR requirements, these registrations must be included in Phillips 66’s Title V permit application, 40 C.F.R. § 70.5(c), and available for review during the public comment period. *Id.* at § 70.7(h)(2). *In the Matter of WE—Oak Creek Power Plant*, Order on Petition to Object to Permit No 241007690-P10 (June 12, 2009) at 25-26. Commenters have reviewed Phillips 66’s application file and it does not contain information about requirements in Phillips 66’s registered PBRs. Because Phillips 66’s application is incomplete and because the public did not have an opportunity to review the PBR registration requirements in the application during the comment period, the Executive Director may not issue the Draft Permit. The Executive Director must require Phillips 66 to submit a complete application and provide the public an opportunity to comment on it before he issues Phillips 66’s Title V permit.

b. The Draft Permit Fails to Assure Compliance with Major NSR Requirements

The Borger Refinery is a major source of air pollution located in an area categorized as in attainment or unclassifiable with respect to each NSR pollutant. Accordingly, Phillips 66 is required to conduct netting to determine major NSR applicability for any construction or modification that has the potential to increase emissions of any NSR pollutant emissions beyond the significance thresholds listed at 40 C.F.R. § 52.21(b)(23). 30 Tex. Admin. Code § 116.160(b)(1). Texas’s general PBR requirements provide that facilities authorized by PBR may emit NO_x, CO, Pb, Fluorides, H₂SO₄, H₂S, and TRS at levels that exceed the applicable netting

threshold. *Id.* at §§ 106.4(a)(1); 116.160(b)(1). In addition, cumulative potential VOC, SO₂, PM, PM₁₀, and PM_{2.5} increases from multiple PBR submissions authorizing changes to various facilities related to the same project may trigger netting requirements. To comply with registration requirements in claimed PBRs and to avoid netting requirements that would otherwise be triggered by potential increases for PBR projects subject to § 106.4(a)(1) limits, Phillips 66 has registered PBR emission rates for various facilities at the Borger Refinery at levels lower than the general limits. Attachment 2.

To be effective, Phillips 66's PBR registrations must be federally and practicably enforceable. *Guidance on Enforceability Requirements for Limiting Potential to Emit through SIP and §112 Rules and General Permits*, Katie A. Stein, Director, EPA Air Enforcement Division ("Enforceability Guidance") (January 25, 1995).⁸ EPA's guidance contains the following statement addressing rules like 30 Tex. Admin. Code § 106.6, which allow operators claiming a general permit to accept limits lower than provided by the general permit:

A rule that allows sources to submit the specific parameters and associated limits to be monitored may not be enforceable because the rule itself does not set specific technical limits. The submission of these voluntarily accepted limits on parameters or monitoring requirements would need to be federally enforceable. Absent a source-specific permit and appropriate review and public participation of the limits, such a rule is not consistent with EPA's enforceability principles.

Enforceability Guidance at 8.

Thus, to ensure that registered PBRs limiting the PTE of facilities at the Borger Refinery are enforceable requirements of the Draft Permit, the Executive Director must incorporate the registered limits and operating parameters as source-specific permits. Otherwise, the only enforceable limits for facilities authorized by PBR at the Borger Refinery will be those established in 30 Tex. Admin. Code §106.4(a)(1) and the claimed PBRs, which are not low enough to ensure that PBR facilities do not trigger major NSR netting and preconstruction permitting requirements. By failing to specifically identify and incorporate PBR registrations, the Draft Permit fails to assure compliance with major NSR requirements and subjects Phillips 66 to possible liability for failing to comply with netting requirements triggered by authorizations subject to § 106.4(a)(1) limits, because Phillips 66's registered PBRs are not enforceable and do not effectively limit the PTE of covered facilities. Enforceability Guidance at 11 ("[W]here a source is required to use another mechanism to limit potential to emit, i.e., a construction permit, the general permit may not be relied upon by the source or the State, to limit the potential to emit").

⁸ Available electronically at <http://www2.epa.gov/sites/production/files/2015-07/documents/potoem.pdf>

Requested Revision to the Title V Permit:

To ensure that Phillips 66's PBR registrations are federally enforceable and effectively limit the PTE of facilities at the Borger Refinery and to prevent circumvention of major NSR netting and preconstruction permitting requirements, the Executive Director should revise the Draft Permit to (1) identify and include registered PBR limits, conditions, and representations and (2) specify monitoring methods sufficient to assure compliance with them. The Executive Director should also revise the Statement of Basis to explain how these registered PBRs assure compliance with major NSR requirements and how the identified monitoring methods assure compliance with PBR registration requirements.

c. The Draft Permit May Fail to Assure Compliance with Unregistered PBRs

Title V permits must include and assure compliance with all applicable requirements. While many PBRs require Phillips 66 to register PBR emissions with the Executive Director, some do not. *Executive Director's Response to Public Comments*, Permit No. O65 (November 14, 2013) ("Some of the PBRs claimed do not require registration . . . thus, authorization letters will not always be available for those particular PBRs"). Neither Texas's Title V rules nor its NSR rules appear to establish a process by which members of the public may track PBRs claimed by Phillips 66 that do not require registration and determine whether unregistered PBRs have been used to authorize facilities at the Borger Refinery.

While 30 Tex. Admin. Code §§ 106.8(c)(1)-(4) require Phillips 66 to maintain copies of unregistered PBRs and applicable 106.4 requirements at the Borger Refinery and to make such records available to personnel from the commission or any air pollution control program having jurisdiction, these provisions do not provide members of the public access to the relevant records and fail to provide a method for assuring that facilities authorized by unregistered PBR are identified in the Draft Permit. The Executive Director should revise the Draft Permit to require that such records be made available to the public.

- Commenters request that the Executive Director state whether all unregistered PBRs claimed by Phillips 66 are identified in the Draft Permit's New Source Review Authorization References by Emission Unit Table;
- If the Executive Director does not know whether the Draft Permit identifies all unregistered PBRs claimed by Phillips 66, Commenters ask that he state that for the record;

- If the Executive Director contends that he is not required to identify unregistered PBRs in the New Source Review Authorization References by Emission Unit Table, Commenters ask that he provide the basis for that contention; and
- If the Executive Director admits that Phillips 66 has claimed unregistered PBRs to authorize projects at the Borger Refinery and that these PBRs are not identified in the Draft Permit, he must revise the Draft Permit to identify and assure compliance with those permits.

D. The Draft Permit Fails to Identify Facilities Subject to Standard Permit Requirements

The Draft Permit incorporates by reference the following Standard Permits: 100477, 104928, 87458, and 90208, but fails to identify any facilities or groups of facilities subject to the limits and requirements established by these permits. Draft Permit at 239-257. Permit Nos. 87458 and 90208 appear to establish requirements to facilities listed in the Draft Permit—41H1 and 12e6—but the Draft Permit fails to list these requirements in the New Source Review Authorization References by Emissions Unit table. Permit Nos. 100477 (Attachment 3) and 104928 (Attachment 4) appear to authorize temporary engines that are not listed in any of the Draft Permit’s unit summaries. Accordingly, Commenters are confused as to whether these standard permits are applicable requirements for the Draft Permit. To assure that standard permit requirements that apply to the Borger Refinery are enforceable, the Executive Director must revise the Draft Permit to indicate how these Standard Permits apply to facilities at the Borger Refinery.

Because Texas’s standard permit rules and the standard permits issued to Phillips 66 do not specify monitoring methods sufficient to assure compliance with applicable requirements, the Executive Director must also revise the Draft Permit to establish monitoring requirements for the standard permits. He must also revise the Statement of Basis to explain how the methods he selects are sufficient to assure compliance with applicable limits. If any of the above-listed standard permits do not establish applicable requirements that must be included in the Draft Permit, the Executive Director should remove them from the Draft Permit.

Requested Revision to the Title V Permit:

To assure compliance, the Executive Director should revise the Draft Permit to specifically identify facilities subject to requirements in each standard permit for the Borger Refinery. The Executive Director should also revise the Draft Permit to specify monitoring methods sufficient to assure compliance with standard permit requirements and to state that documents used to demonstrate compliance with standard permit requirements must be made publicly available.

The Executive Director should also revise the Statement of Basis to explain how monitoring methods added to the Draft Permit assure compliance with applicable requirements.

E. The Draft Permit Fails to Assure Compliance with Requirements in Permit No. 80799

The Draft Permit incorporates by reference Permit No. 80799, which authorizes planned MSS activities at the Borger Refinery. Draft Permit at 239. The Draft Permit fails to properly incorporate and assure compliance with Permit No. 80799 requirements, because (1) the Draft Permit's New Source Review Authorization References by Emissions Unit table fails to identify any facility or group of facilities subject to limitations and requirements in Permit No. 80799; and (2) emission points listed in Permit No. 80799 are not identified in the Draft Permit.

Where a Title V permit incorporates by reference an applicable requirement, it must unambiguously describe how the incorporated requirement(s) applies to facilities at the Title V Source. *White Paper 2* at 37 ("Any information cited, cross referenced, or incorporated by reference must be accompanied by a description or identification of the current activities, requirements, or equipment for which the information is referenced"). The Draft Permit incorporates by reference Permit No. 80799, but fails to describe the activities it authorizes and the requirements it contains, nor does it identify the facilities to which such requirements apply. Draft Permit at 239-257. Because the Draft Permit fails to describe how Permit No. 80799 applies to facilities at the Borger Refinery, it fails to assure compliance with applicable requirements.

Similarly, the Draft Permit's New Source Review Authorization References by Emission Unit table is incomplete because it omits the following facilities and/or emission points authorized by and subject to regulation under Permit No. 80799: 66FL4, MSS-VAC, MSS-AIRMOVERS, MSS-BLAST, MSS-FRAC, MSS-VES, MSS-MAINTACT, MSS-EQP, MISC-MSS, MSS-DRAINING, MSS-CHEM, MSS-TANK, F-68-4A, F-68-4B, F-68-4C, F-68-4D, F-68-4E, F-68-4F, F-68-4G, and F-68-4H. Attachment 1 at MAERT. Because the Draft Permit fails to identify these facilities and/or emission points as part of the Title V source covered by the Draft Permit, it also fails to put readers on notice that incorporated requirements in Permit No. 80799 apply to these units. Because this is so, the Draft Permit does not identify and assure compliance with all applicable requirements.

Requested Revision to the Title V Permit:

To assure compliance with applicable requirements, the Executive Director should revise the Draft Permit to specifically identify all facilities subject to requirements in Permit No. 80799.

F. The Draft Permit Incorporates Texas’s Disapproved Affirmative Defense for Planned Maintenance, Startup, and Shutdown as a Federally Enforceable Requirement

Title V permits must assure compliance with all applicable federal requirements, including emission limits established by the Texas SIP and New Source Review permits. 42 U.S.C. § 7661c(a); 40 C.F.R. § 70.2 (defining “applicable requirement” to include SIP limits and terms and conditions of NSR permits). To ensure that state-only requirements listed in a Title V permit may not be read to displace federal requirements, Title V permits must identify state-only provisions and provide that they are not federally-enforceable. 40 C.F.R. § 70.6(b)(2).

While the Draft Permit incorporates by reference many SIP limits and NSR permit requirements, it also incorporates by reference 30 Tex. Admin. Code §§ 101.222(h)-(j), which establish an affirmative defense to penalties for unauthorized emissions during planned maintenance, startup, and shutdown activities. Draft Permit, Special Condition 2(I). This affirmative defense, which EPA disapproved,⁹ interferes with federal enforcement of SIP limits and NSR permit requirements by limiting the means that EPA and the public may use to compel compliance with applicable requirements. Because EPA disapproved the affirmative defense, it is not a SIP requirement and the Draft Permit must state that it is not federally-enforceable.

Though EPA disapproved Texas’s affirmative defense for planned MSS events, at least one federal court has held that unqualified incorporation of the disapproved defense into a Title V permit makes the defense federally enforceable. *Sierra Club v. Energy Future Holdings Corp.*, 2014 WL 2153913 at *11 (W.D. Texas March 28, 2014) (holding that Plaintiff’s argument that the disapproved affirmative defense incorporated by reference into a Texas Title V permit was not federally enforceable amounted to a non-justiciable collateral attack on the Title V permit). In light of this decision and EPA’s disapproval of the Commission’s affirmative defense for excess emissions during planned MSS events, the Executive Director must revise the Draft Permit to state that the affirmative defense rules at 30 Tex. Admin. Code §§ 101.222(h)-(j) are not federally enforceable and that the Commission’s affirmative defense for planned maintenance, startup, and shutdown events is not available in federal enforcement actions brought by EPA or citizen suits brought under 42 U.S.C. § 7604. 40 C.F.R. § 70.6(b)(2). Unless the Executive Director makes this revision, the Draft Permit may be read to improperly limit the ability of EPA and citizens to enforce and compel compliance with applicable requirements.

Requested Revision to the Title V Permit

The Executive Director should revise the Draft Permit to indicate that the State’s disapproved affirmative defense for planned MSS excess emissions is not federally-enforceable.

⁹ 75 Fed.Reg. 68,989, 68,992. EPA’s disapproval was upheld by the Fifth Circuit Court of Appeals. *Luminant Generation Co. v. EPA*, 714 F.3d 841 (5th Cir. 2013).

- If the Executive Director contends that the affirmative defense for excess emissions during planned MSS activities is federally enforceable, Commenters ask that he provide the basis for that determination;
- If the Executive Director contends that the affirmative defense for excess emissions during planned MSS activities is not federally enforceable and that the Draft Permit does not make it so, we ask that he state that for the record.

G. The Draft Permit May Limit Use of Any Credible Evidence to Demonstrate Non-Compliance with Applicable Requirements

1. Texas’s Title V Permits Have Been Interpreted to Preclude Use of Any Credible Evidence to Demonstrate Non-Compliance in Citizen Suits

To assure compliance with applicable requirements, Title V permits must allow EPA, permitting agencies, and citizens to use any credible evidence to assess a source’s compliance status and respond to noncompliance with Clean Air Act requirements. Deer Park Order at 38; 62 Fed. Reg. 8,314, 8,315, 8,318 (February 24, 1997). A Title V permit may not preclude any entity, including the EPA, citizens or the state, from using any credible evidence to enforce any provision of a Title V permit. 62 Fed. Reg. 54,900, 54,907-08 (October 22, 1997).

The Draft Permit includes Special Condition 22, which states:

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* (emphasis added).

This special condition is the only statement regarding credible evidence contained in the Draft Permit. Commenters read this condition to allow members of the public to rely on any credible evidence to demonstrate non-compliance with applicable requirements, because Phillips 66 is required to consider all such evidence before certifying compliance. This reading of the Draft Permit was, however, not adopted by the United States District Court for the Western District of Texas when it considered a different Texas Title V permit with an identical compliance certification special condition. *See*, Order Granting Motion for Partial Summary Judgment, *Sierra Club v. Energy Future Holdings Corp.*, No. W-12-CV-108 (W.D. Tex. February 10, 2014) at 15-16. Despite permit language requiring the operator to consider all credible evidence to determine compliance, the Court held that “a concerned citizen is limited to the compliance requirements, as defined in the Title V permit, when pursuing a civil lawsuit for CAA violations.” *Id.* According to the Court, Title V permits must be read to limit applicable compliance demonstration methods to those specifically identified in a permit, because a

different reading would undermine the “permit’s objective as the source-specific bible for Clean Air Act compliance.” *Id.* at 16.

- In light of this decision, we ask the Executive Director to state whether the Draft Permit, as written, limits the ability of EPA, the State, or citizens to rely on any credible evidence to demonstrate non-compliance with applicable requirements in a federal enforcement proceeding.

2. The TCEQ Has Taken the Position That Credible Evidence May Not be Used to Determine Compliance with Applicable Requirements

In a contested case hearing concerning ExxonMobil Chemical Company’s application for Permit No. 102982, authorizing construction of a new ethylene production unit at the Baytown Olefins Plant in Harris County, Protestants introduced evidence—ExxonMobil’s own Emissions Inventory Reports—to demonstrate that ExxonMobil had emitted more particulate matter than its existing permit allowed, and that exceedances of this limit triggered major NSR preconstruction permitting requirements for the proposed project. Protestants’ Exhibit No. 100, Expert Testimony of William Powers, P.E., TCEQ Docket No. 2013-0657-AIR at 35-40. In a deposition conducted prior to the contested case hearing, the TCEQ’s permit engineer testified that, “based on the best information . . . available” it was his opinion that ExxonMobil had exceeded its limit. Protestants’ Exhibit No. 106, Deposition Testimony of Kyle Virr, TCEQ Docket No. 2013-0657-AIR at 35-36.

Nonetheless, in post-hearing briefing, the Executive Director took the position that ExxonMobil’s self-reported Emissions Inventory information could not be used to demonstrate non-compliance with the applicable limit, because ExxonMobil’s Title V permit established a different and authoritative method for demonstrating compliance with applicable requirements. *Executive Director’s Reply to Closing Argument*, TCEQ Docket No. 2013-0657-AIR at 3 (“The Protestants contend, and the Executive Director does not dispute, that EI data shows that ExxonMobil reported PM emissions greater than the PM PAL cap of 365.62 tons for several years. However, TCEQ rules clearly provide that compliance with PAL limits is evidenced through annual compliance certifications under the Title V program and semi-annual reports”). In its order approving ExxonMobil’s permit application, the TCEQ adopted this position in its Findings of Facts:

91. The Semi-Annual Report (SAR) is used to determine compliance with PAL6.

93. PAL6 specifies the methods that must be used by Applicant to demonstrate compliance with the PALs. All SARs prepared by Applicant have demonstrated compliance with the PALs contained in PAL6.

Order, TCEQ Docket No. 2013-0657-AIR (February 18, 2014).

The position taken by the Executive Director in his briefing and endorsed by the Commission in its order granting ExxonMobil's permit application appears to conflict with EPA's position that the State, citizens, and EPA must be allowed to rely on any credible evidence to demonstrate non-compliance with applicable requirements. In light of this conflict, Commenters request that the Executive Director (1) state whether the Draft Permit, as written, limits the ability of citizens, the State, or EPA to rely on any credible evidence to demonstrate non-compliance with applicable requirements; and (2) revise the Draft Permit to expressly state that Texas, citizens, and EPA may rely on any credible evidence to demonstrate non-compliance with applicable requirements.

Requested Revision to the Title V Permit

To ensure that the Draft Permit is read to allow citizens, the State, and EPA to use any credible evidence to demonstrate non-compliance with applicable requirements, Commenters request that the Executive Director revise the Draft Permit to include the following Special Condition: "Nothing in this permit shall be interpreted to preclude the use of any credible evidence to demonstrate non-compliance with any term of this permit."

III. CONCLUSION

For the foregoing reasons, Phillips 66's application and the Draft Permit fail to comply with the federal Clean Air Act and its implementing regulations. These deficiencies must be corrected before the Executive Director may renew Title V Permit No. O1440.

Thank you for your attention to this matter. Please call me at (512) 637-9478 should you have any questions.

Sincerely,



Gabriel Clark-Leach
ENVIRONMENTAL INTEGRITY PROJECT
707 Rio Grande Suite 200
Austin, Texas 78701

ATTACHMENT 1

SPECIAL CONDITIONS

Permit Number 80799

1. This permit authorizes emissions from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates" (MAERT) and the facilities covered by this permit are authorized to emit subject to the emission rate limits on the MAERT table and other requirements specified in the special conditions.

Startup and shutdown emissions due to the activities identified in Special Condition 2 are authorized from facilities and emission points listed in Attachment D provided the facility and emissions are compliant with Special Condition 12 of this permit.

2. This permit authorizes the emissions from the facilities in Attachment D for the planned maintenance, startup, and shutdown (MSS) activities summarized in the MSS Activity Summary (Attachment C) attached to this permit.

The chemical and cleaners identified in Attachment A-1 are authorized to be used in support of MSS at the facilities identified in Attachment D to this permit. Emissions of these chemicals and cleaners shall be determined based on warehouse inventory tracking or equivalent for that month. Any product released for use shall be assumed to be used that month. Attachment A-2 identifies the inherently low emitting MSS activities that may be performed at the refinery. Emissions from activities identified in Attachment A-2 shall be considered to be equal to the potential to emit represented in the permit application. The estimated emissions from the activities listed in Attachment A-2 must be revalidated annually. This revalidation shall consist of the estimated emissions for each type of activity and the basis for that emission estimate.

Activities limited to equipment MSS, as identified in Attachment B may be tracked through the work orders or equivalent. Emissions from activities identified in Attachment B shall be calculated using the number of work orders or equivalent that month and the emissions associated with that activity identified in the permit application. In lieu of using the emissions identified in the permit application, the permit holder may record the information identified in paragraph A through E below.

The performance of each MSS activity not identified in Attachments A or B and the emissions associated with it shall be recorded and include at least the following information:

- A. the physical location at which emissions from the MSS activity occurred, including the emission point number and common name for the point at which the emissions were released into the atmosphere;
- B. the type of planned maintenance, startup, or shutdown activity and the reason for the planned activity;

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- C. the common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;
- D. the date and time of the MSS activity and its duration;
- E. the estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice.

All MSS emissions shall be summed monthly and the rolling 12-month emissions shall be updated on a monthly basis. **(9/11)**

- 3. Process units and facilities, with the exception of those identified in Special Conditions 6, 7, and 9, shall be depressurized, emptied, degassed, opened to atmosphere, and placed in service in accordance with the following requirements.
 - A. Equipment that only contains material that is liquid with VOC partial pressure less than 0.50 psia at the normal process temperature or actual temperature may be opened to atmosphere and drained in accordance with paragraph C of this special condition without depressurizing or degassing to a control device. If the actual liquid temperature is used, the temperature of the liquid must be verified and recorded. The actual temperature used for determining vapor pressure may not be less than 95°F.
 - B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. If the VOC partial pressure is greater than 0.50 psia at either the normal process temperature or actual temperature, any vents in the system must be routed to a control device or a controlled recovery system. If the actual liquid temperature is used, the temperature of the liquid must be verified and recorded. The actual temperature used for determining vapor pressure may not be less than 95°F. Control must remain in place until degassing has been completed or the system is no longer vented to atmosphere.
 - C. All liquids from process equipment or storage vessels must be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids must be drained into a closed vessel or a process drain operating as a controlled recovery system unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid must be covered or transferred to a covered vessel within one hour of being drained. After draining is complete, empty open pans may remain in use for housekeeping reasons to collect incidental drips.

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- D. If the VOC partial pressure is greater than 0.50 psia at the normal process temperature or actual temperature, facilities shall be degassed using good engineering practice to ensure air contaminants are removed from the system through the control device or controlled recovery system to the extent allowed by process equipment or storage vessel design. If the actual liquid temperature is used, the temperature of the liquid must be verified and recorded. The actual temperature used for determining vapor pressure may not be less than 95°F. The control device or recovery system utilized shall be recorded with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.
- (1) For MSS activities identified in Attachments A-2 and B, the following option may be used in lieu of (2) below. The facilities being prepared for maintenance shall not be vented directly to atmosphere, except as necessary to verify an acceptable VOC concentration and establish isolation of the work area, until the VOC concentration has been verified to be less than 10 percent of the lower explosive limit (LEL) (or equivalent) per the site safety procedures.
 - (2) The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded. (PFD's, P&ID's, or Turnaround and Inspection (T&I) plans may be used to demonstrate compliance with the requirement). Documented refinery procedures used to de-inventory equipment to a control device for safety purposes (i.e., hot work or vessel entry procedures) that achieve at least the same level of purging may be used in lieu of the above. If the process equipment is purged with a gas, two system volumes of purge gas must have passed through the control device or controlled recovery system or for a sufficient period of time in accordance with the applicable site operating procedures before the vent stream may be sampled to verify acceptable VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition 4. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. The facilities shall be degassed until the VOC concentration is less than 10,000 ppmv or 10% of the LEL. Documented site procedures used to de-inventory equipment to a control device for safety purposes (i.e., hot work or vessel entry procedures) that achieve at least the same level of purging may be used in lieu of the above.

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- E. Gases and vapors with VOC partial pressure greater than 0.50 psia may be vented directly to atmosphere if all the following criteria are met:
- (1) It is not technically practicable to depressurize or degas, as applicable, into the process.
 - (2) There is not an available connection to a plant control system (flare).
 - (3) There is no more than 50 lbs of air contaminant to be vented to atmosphere during shutdown or startup, as applicable.

Except when identified for an activity on Attachment A-2, all instances of venting directly to atmosphere per Special Condition 3.E must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the work order or equivalent for those planned MSS activities identified in Attachment B. **(9/11)**

4. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below.
- A. VOC concentration shall be measured using an instrument meeting all the requirements specified in EPA Method 21 (40 CFR 60, Appendix A) with the following exceptions:
- (1) The instrument shall be calibrated within 24 hours of use with a calibration gas. The calibration gas used and its concentration, and the vapor to be sampled and its approximate response factor (RF), shall be recorded. If the RF of the VOC (or mixture of VOCs) to be monitored is greater than 2.0, the VOC concentration shall be determined as follows:

$$\text{VOC Concentration} = \text{Concentration as read from the instrument} * \text{RF}$$
 - (2) Sampling shall be performed as directed by this permit in lieu of section 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least 5 minutes and the greatest VOC concentration recorded. The highest measured VOC concentration shall not exceed the specified VOC concentration limit prior to uncontrolled venting.
 - (3) If a TVA-1000 series FID analyzer calibrated with methane is used to determine the VOC concentration, a measured concentration of 34,000 ppmv may be considered equivalent to 10,000 ppmv as VOC.

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- B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.
- (1) The air contaminant concentration measured is less than 80 percent of the range of the tube. If the maximum range of the tube is greater than the release concentration defined in (3), the concentration measured is at least 20 percent of the maximum range of the tube.
 - (2) The tube is used in accordance with the manufacturer's guidelines.
 - (3) At least 2 samples taken at least 5 minutes apart must satisfy the following prior to uncontrolled venting:

measured contaminant concentration (ppmv) < release concentration.

Where the release concentration is:

10,000*mole fraction of the total air contaminants present that can be detected by the tube.

The mole fraction may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.

Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.

- C. Lower explosive limit (LEL) shall be measured with a lower explosive limit detector, in accordance with the following requirements:
- (1) The detector shall be calibrated monthly with a certified pentane gas standard at 25% of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
 - (2) A daily functionality test shall be performed on each detector using the same certified gas standard used for calibration. The LEL monitor shall read no lower than 90% of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
 - (3) A certified methane gas standard equivalent to 25% of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for pentane.

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- D. For measuring benzene breakthrough on Carbon Adsorption Systems in Special Condition No. 13.A.(4), a portable gas chromatograph using a flame ionization detector or photo ionization detector may be used. Alternatively a photo-ionization detector equipped with a benzene separation tube consistent with manufacturer requirements may be used. The monitor shall have the sensitivity and specificity to quantify low level benzene concentrations. The monitor device shall be calibrated within 24 hours of use with a certified calibration gas containing ~5 ppm benzene. Records of the calibration date/time and calibration result shall be maintained.
5. This condition applies only to piping and components subject to leak detection and repair monitoring requirements identified in other NSR permits. Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period:
 - A. a cap, blind flange, plug, or second valve must be installed on the line or valve; or
 - B. the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once by the end of the 72 hours period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve. **(9/11)**
 6. This permit authorizes emissions from EPN MSS-TANKS for the storage tanks identified in the Attachment D during planned floating roof landings. Except for periods in which the tank vapor space is routed to a control device meeting the requirements of Special Condition 13, tank roofs may only be landed for changes of tank service or tank inspection/maintenance as identified in the permit application. Tank change of service includes landings to accommodate seasonal RVP spec changes and landings to correct off-spec material that cannot be blended into finished product tanks. Emissions from filling tanks with landed roofs must be directed to a control device meeting the requirements of Special Condition 13 unless the tank has been degassed and cleaned. Tank roof landings include all operations when the tank floating roof is on its supporting legs.

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These emissions are subject to the maximum allowable emission rates indicated on the MAERT. The following requirements apply to tank roof landings.

- A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to two hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control during this process.

This requirement and the requirement of Special Condition 6 of directing emissions to a control device do not apply if the level is lowered to allow for maintenance that is expected to be completed in less than 24 hours. In that case, the tank must be filled and the roof floated within 24 hours of landing the roof and the evolution documented in accordance with Special Condition 6.E.

- B. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psia at 95°F, tank refilling or degassing of the vapor space under the landed floating roof must begin within 24 hours after the tank has been drained unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC partial pressure of the standing liquid in the tank has been reduced to less than 0.02 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:
- (1) Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration is less than 10,000 ppmv or 10% of the LEL. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.
 - (2) The vapor space under the floating roof shall be vented using good engineering practice to ensure air contaminants are flushed out of the tank through the control device or controlled recovery system to the extent allowed by the storage tank design until the VOC concentration is less than 10,000 ppmv.
 - (3) A volume of purge gas or air equivalent to twice the volume of the vapor space under the floating roof must have passed through the control device or into a

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controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of purge gas volume shall not include any make-up air introduced into the control device or recovery system. Documented refinery procedures used to de-inventory equipment control devices for safety purposes (i.e., hot work or vessel entry procedures) that achieve at least the same level of purging may be used in lieu of the above. The VOC sampling and analysis shall be performed as specified in Special Condition 4.

- (4) The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.
 - (5) Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.
- C. The tank shall not be opened or ventilated without control, except as allowed by (1) or (2) below until one of the criteria in part D of this condition is satisfied.
- (1) Minimize air circulation in the tank vapor space.
 - a. One manway may be opened to allow access to the tank to remove or de-volatilize the remaining liquid. Other manways or access points may be opened as necessary to remove or de-volatilize the remaining liquid. Wind barriers shall be installed at all open manways and access points to minimize air flow through the tank.
 - b. Access points shall be closed when not in use.
 - (2) Minimize time and VOC partial pressure.
 - a. The VOC partial pressure of the liquid remaining in the tank shall not exceed 0.044 psia as documented by the method specified in Part D.(1) of this condition;
 - b. Blowers may be used to move air through the tank without emission control at a rate not to exceed 17,000 cfm for no more than 24 hours. All standing liquid shall be removed from the tank during this period.

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- c. Records shall be maintained of the blower circulation rate, the duration of uncontrolled ventilation, and the date and time all standing liquid was removed from the tank.
- D. The tank may be opened without restriction and ventilated without control after all standing liquid has been removed from the tank or the liquid in the tank has a VOC partial pressure less than 0.02 psia. These criteria may be demonstrated in any one of the following ways.
 - (1) Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. The estimated volume of liquid remaining in the drained tank and the volume and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.
 - (2) If water or other liquid is added or sprayed into the tank to remove standing VOC, acceptable vapor pressure may be demonstrated using any of the three methods below:
 - a. Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR 435 Subpart A, Appendix 1.
 - b. Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 1000 ppmw using EPA Method 1664 (may also use 8260B or 5030 with 8015 from SW-846).
 - c. Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 1000 ppmv through the procedure in Special Condition 4.
 - (3) No standing liquid verified through visual inspection.

Once the VOC partial pressure is verified less than 0.02 psia, any subsequent/additional water flushes that may be performed do not trigger additional verification. The permit holder shall maintain records to document the method used to release the tank.

- E. Once filling has begun, tanks shall be refilled as rapidly as practicable until the roof is off its legs unless the vapor space below the tank roof is directed to a control device meeting the requirements of Special Condition 13 when the tank is refilled until the

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roof is floating on the liquid. The control device used and the method and locations used to connect the control device shall be recorded. All vents from the tank being filled must exit through the control device. Only one tank with a landed roof may be filled with light liquid at any time unless the refilling emissions are controlled.

- F. The occurrence of each roof landing and the associated emissions shall be recorded and the rolling 12-month tank roof landing emissions shall be updated on a monthly basis. These records shall include at least the following information:
- (1) the identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;
 - (2) the reason for the tank roof landing;
 - (3) for the purpose of estimating emissions, the date and time of each of the following events:
 - a. the roof was initially landed,
 - b. all liquid was pumped from the tank to the extent practical,
 - c. degassing commenced,
 - d. all standing liquid was removed from the tank or any transfers of low VOC partial pressure liquid to or from the tank to reduce tank liquid VOC partial pressure to <0.02 psia,
 - e. degassing ceased,
 - f. any period the tank is open or ventilated, or liquid is added or removed,
 - g. refilling commenced, and
 - h. tank roof off supporting legs, floating on liquid;
 - (4) the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between Events (c) and (h) with the data and methods used to determine it. The emissions associated with roof landing activities shall be calculated using the methods described in Section 7.1.3.2 of AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" dated November 2006 and the permit application.

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7. Fixed roof storage tanks are subject to the requirements of Special Condition 6.C. and 6.D. Only one tank may be degassed without control at any time. If the ventilation of the vapor space is controlled, the emission control system shall meet the requirements of Special Condition 6.B.(1) through 6.B.(5). Records shall be maintained per Special Condition 6.F.(3)c through 6.F.(3)e, and 6.F.(4).
8. The following requirements apply to vacuum and air mover truck operations at this site:
 - A. Vacuum pumps and blowers shall not be operated on trucks containing or vacuuming liquids with VOC partial pressure greater than 0.50 psia at 95°F unless the vacuum/blower exhaust is routed to a control device or a controlled recovery system.
 - B. When the vacuum pump is operating, equip fill line intake with a “duckbill” or equivalent attachment if the hose end cannot be submerged in the liquid being collected.
 - C. A daily record containing the information identified below is required for each vacuum truck in operation at the site each day.
 - (1) Prior to initial use, identify any liquid in the truck. Record the liquid level and document that the VOC partial pressure is less than 0.50 psia if the vacuum exhaust is not routed to a control device or a controlled recovery system. After each liquid transfer, identify the liquid transferred and document that the VOC partial pressure is less than 0.50 psia if the vacuum exhaust is not routed to a control device or a controlled recovery system.
 - (2) For each liquid transfer made with the vacuum operating, record the duration of any periods when air may have been entrained with the liquid transfer. The reason for operating in this manner and whether a “duckbill” or equivalent was used shall be recorded. Short, incidental periods, such as those necessary to walk from the truck to the fill line intake, do not need to be documented.
 - (3) If the vacuum truck exhaust is controlled with a control device other than an engine or oxidizer, VOC exhaust concentration upon commencing each transfer, at the end of each transfer, and at least every hour during each transfer shall be recorded, measured using an instrument meeting the requirements of Special Condition 4.
 - (4) The volume in the vacuum truck at the end of the day, or the volume unloaded, as applicable.

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- D. The permit holder shall determine the vacuum truck emissions each month using the daily vacuum truck records and the calculation methods utilized in the permit application. If records of the volume of liquid transferred for each pick-up are not maintained, the emissions shall be determined using the physical properties of the liquid vacuumed with the greatest potential emissions. Rolling 12 month vacuum truck emissions shall also be determined on a monthly basis.
 - E. If the VOC partial pressure of all the liquids vacuumed into the truck is less than 0.10 psia, this shall be recorded when the truck is unloaded or leaves the plant site and the emissions may be estimated as the maximum potential to emit for a truck in that service as documented in the permit application. The recordkeeping requirements in Special Condition 8.A through 8.D do not apply.
9. The following requirements apply to frac, or temporary, tanks and vessels used in support of MSS activities.
- A. Except for labels, logos, etc. not to exceed 15% of the tank/vessel total surface area, the exterior surfaces of these tanks/vessels that are exposed to the sun shall be white or aluminum effective May 1, 2013. This requirement does not apply to tanks/vessels that only vent to atmosphere when being filled.
 - B. These tanks/vessels must be covered and equipped with fill pipes that discharge within 6 inches of the tank/vessel bottom. If the VOC partial pressure of the liquid stored is greater than 0.50 psia, the tank vent must be routed to control. Control device monitoring is only required when filling the tank.
 - C. These requirements do not apply to vessels storing less than 25 barrels of liquid that are closed such that the vessel does not vent to atmosphere.
 - D. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all frac tanks during the previous calendar month and the past consecutive 12 month period. The record shall include tank identification number, dates put into and removed from service, control method used, tank capacity and volume of liquid stored in gallons, name of the material stored, VOC molecular weight, and VOC partial pressure at the estimated monthly average material temperature in psia. Filling emissions for tanks shall be calculated using the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Loading Operations" and standing emissions determined using: the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."
 - E. If the tank/vessel is used to store liquid with VOC partial pressure less than 0.10 psia at 95°F, records may be limited to the days the tank is in service and the liquid stored.

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Emissions may be estimated based upon the potential to emit as identified in the permit application.

10. [reserved]
11. MSS activities represented in the permit application may be authorized under permit by rule only if the procedures, emission controls, monitoring, and recordkeeping are the same as those required by this permit.
12. All permanent facilities must comply with all operating requirements, limits, and representations in other NSR permits during startup and shutdown unless alternate requirements and limits are identified in this permit. Alternate requirements for emissions from routine emission points are identified below.
 - A. Combustion units, with the exception of flares and units identified in Special Condition 12.B, at this site are exempt from NO_x and CO operating requirements identified in special conditions in other NSR permits and the allowable emissions (Permit 9868A) are not binding during planned startup and shutdown if the following criteria are satisfied.
 - (1) The emission caps or the maximum allowable emission rates in the permit authorizing the facility are not exceeded.
 - (2) The startup period does not exceed 8 hours in duration and the firing rate does not exceed 75 percent of the design firing rate. The time it takes to complete the shutdown does not exceed 4 hours.
 - (3) Control devices are started and operating properly when venting a waste gas stream.
 - (4) Heaters may be fired at rates not to exceed 20 percent of the design firing rate for up to 24 hours during start-up.
 - B. The following limits apply to the operations identified below to start the startup or shutdown of the facilities identified.
 - (1) Sulfur Recovery Units (SRUs)
 - a. SRUs shall only be idled when necessary for planned maintenance at the SRU or elsewhere in the refinery.

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- b. The SRU must be turned down as much as possible prior to being shutdown or idled.
 - c. SRU incinerators shall oxidize at least 99.9 percent of the hydrogen sulfide directed to them to sulfur dioxide during the SRU startup and shutdown.
- (2) Furnace decoking (EPNs 2H1, 2H2, 4H1, 4H2, 5H1, 5H2, 5H3, 5H4, 6H1, 6H2, 6H3, 6H4, 6H5, 7H1-4, 9H1, 10H1, 11H1, 12H1, 19B1-H1, 19B1-H2, 19B2, 19H3, 19H5, 19H6, 19H4, 22H1, 26H1, 28H1, 29-2, 29H4, 36H1, 40H1, 40H2, 41H1, 42H1, 42H2, 42H3, 50H1, 51H1, 98H1)
 - (3) Flaring for up to 48 hours during GOHDS startup and shutdown.
 - (4) Off gas flaring during Unit 42 shutdown. Off gas shall be directed to the fuel gas system for use as fuel gas until the system pressure is too low for recovery.
 - (5) Flaring during flare gas recovery system shutdown for planned MSS.
 - (6) Hydrogen flaring during hydrogen unit shutdowns.
 - (7) Brine pond flare planned maintenance. Intermediate storage shall be used rather than moving brine in the caverns if possible. The brine pit pilots shall be used to minimize emissions during these periods. This operation is not subject to the requirements of Special Conditions 13 or 14.
- C. A record is maintained indicating that the start and end times each of the activities identified above occur and documentation that the requirements for each has been satisfied.
 - D. FCC startup and shutdown and ESP cabinet changes are not authorized by this permit.
13. Control devices required by this permit for emissions from MSS activities are limited to those types identified in this condition. Control devices shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Each device used must meet all the requirements identified for that type of control device.

Controlled recovery systems identified in this permit shall be directed to an operating refinery process or to a collection system that is vented through a control device meeting the requirements of this permit condition.

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A. Carbon Adsorption System (CAS).

- (1) The CAS shall consist of 2 carbon canisters in series with adequate carbon supply for the emission control operation.
- (2) The CAS shall be sampled down stream of the first can and the concentration recorded at least once every hour of CAS run time to determine breakthrough of the VOC. The sampling frequency may be extended using either of the following methods:
 - a. It may be extended to up to 30 percent of the minimum potential saturation time for a new can of carbon. The permit holder shall maintain records including the calculations performed to determine the minimum saturation time.
 - b. The carbon sampling frequency may be extended to longer periods based on previous experience with carbon control of a MSS waste gas stream. The past experience must be with the same VOC, type of facility, and MSS activity. The basis for the sampling frequency shall be recorded. If the VOC concentration on the initial sample downstream of the first carbon canister following a new polishing canister being put in place is greater than 100 ppmv above background, it shall be assumed that breakthrough occurred while that canister functioned as the final polishing canister and a permit deviation shall be recorded.
- (3) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 4.
- (4) Breakthrough is defined as the highest measured VOC concentration at or exceeding 100 ppmv above background. When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new final polishing canister prior to the next scheduled sample. In lieu of replacing canisters, the flow of waste gas may be discontinued until the canisters are switched. Sufficient new activated carbon canisters shall be available to replace spent carbon canisters such that replacements can be done in the above specified time frame.
- (5) Records of CAS monitoring shall include the following:
 - a. Sample time and date.
 - b. Monitoring results (ppmv).

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c. Canister replacement log.

- (6) Single canister systems are allowed if the time the carbon canister is in service is limited to no more than 30 percent of the minimum potential saturation time. The permit holder shall maintain records for these systems, including the calculations performed to determine the saturation time. The time limit on carbon canister service shall be recorded and the expiration date attached to the carbon can.
- (7) Liquid scrubbers may be used upstream of carbon canisters to enhance VOC capture provided such systems are closed systems and the spent absorbing solution is discharged into a closed container, vessel, or system.

B. Thermal Oxidizer.

- (1) The thermal oxidizer firebox exit temperature shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the fire box while waste gas is being fed into the oxidizer.
- (2) The thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency. Temperature measurements recorded in continuous strip charts may be used to meet the requirements of this section.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ± 0.75 percent of the temperature being measured expressed in degrees Celsius or $\pm 2.5^\circ\text{C}$.

- (3) As an alternative to Special Condition No. 13B(1), the thermal oxidizer may be tested to confirm a minimum 99 wt percent destruction efficiency within the past 12 months. The results of the test will be used to determine the minimum operating temperature and residence time. Stack VOC concentrations and flow rates shall be measured in accordance with applicable United States Environmental Protection Agency (EPA) Reference Methods. A copy of the test report shall be maintained with the thermal oxidizer and a summary of the testing results shall be included with the emission calculations.

C. Internal Combustion Engine.

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- (1) The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.
- (2) The engine must have been stack tested with butane or propane to confirm the required destruction efficiency within the period specified in Part (3) below. VOC shall be measured in accordance with the applicable United States Environmental Protection Agency (EPA) Reference Method during the stack test and the exhaust flow rate may be determined from measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be maintained with the engine. There shall also be documentation of acceptable VOC emissions following each occurrence of engine maintenance which may reasonably be expected to increase emissions including oxygen sensor replacement and catalyst cleaning or replacement. Stain tube indicators specifically designed to measure VOC concentration shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable VOC analyzers meeting the requirements of Special Condition 4 are also acceptable for this documentation
- (3) The engine shall be operated and monitored as specified below.
 - a. If the engine is operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller, documentation for each AFR controller that the manufacturer's or supplier's recommended maintenance has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation. The engine must have been stack tested within the past 12 months in accordance with part (2) of this condition.

The test period may be extended to 24 months if the engine exhaust is sampled once an hour when waste gas is directed to the engine using a detector meeting the requirements of Special Condition 4.A. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the engine. The concentrations shall be recorded and the MSS activity shall be stopped as soon as possible if the VOC concentration exceeds 100 ppmv above background.

- b. If an oxygen sensor-based AFR controller is not used, the engine exhaust to atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the

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engine. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the engine. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 4.A. An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background. The MSS activity shall be stopped as soon as possible if the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded. The engine must have been stack tested within the past 24 months in accordance with part (2) of this condition.

- D. The plant flare system or temporary flare
- (1) The heating value and velocity requirements in 40 CFR 60.18 shall be satisfied during operations authorized by this permit.
 - (2) 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.
 - (3) During purging to the flare system with nitrogen, the permit holder will calculate the amount of fuel gas needed to be added at the flare header so that the nitrogen purge and fuel gas meet the requirements of this sub-condition. The calculated and actual flow rates of nitrogen and fuel gas shall be recorded.
- E. The SRU tail gas incinerators to support the shutdown and startup of the SRUs operated in accordance with the requirements in Permit 9868A.
- F. A liquid scrubbing system may be used upstream of carbon adsorption. A single carbon can or a liquid scrubbing system may be used as the sole control device if the requirements below are satisfied.
- (1) The exhaust to atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the scrubber.
 - (2) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 4.A.

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- (3) An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background. The MSS activity shall be stopped as soon as possible when the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded.

G. A closed loop refrigerated vapor recovery system

- (1) The vapor recovery system shall be installed on the facility to be degassed using good engineering practice to ensure air contaminants are flushed from the facility through the refrigerated vapor condensers and back to the facility being degassed. The vapor recovery system and facility being degassed shall be enclosed except as necessary to insure structural integrity (such as roof vents on a floating roof tank).
- (2) VOC concentration in vapor being circulated by the system shall be sampled and recorded at least once every 4 hours at the inlet of the condenser unit with an instrument meeting the requirements of Special Condition No. 4.
- (3) The quantity of liquid recovered from the tank vapors and the tank pressure shall be monitored and recorded each hour. The liquid recovered must increase with each reading and the tank pressure shall not exceed one inch water pressure while the system is operating.

14. The following requirements apply to capture systems for the plant flare system.

- A. 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.
- B. The control device shall not have a bypass, or if there is a bypass for the control device, comply with either of the following requirements:
 - (1) Install a flow indicator that records and verifies zero 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

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- (2) 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.

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.

- C. 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.
15. No visible emissions shall leave the property due to abrasive blasting.
 16. Black Beauty, coal slag, and Garnet Sand may be used for abrasive blasting. The permit holder may also use blast media that meet the criteria below:
 - A. The media shall not contain asbestos or greater than 1.0 weight percent crystalline silica.
 - B. The weight fraction of any metal in the blast media with a short term effects screening level (ESL) less than 50 micrograms per cubic meter as identified in the most recently published TCEQ ESL list shall not exceed the $ESL_{metal}/1000$.
 - C. The MSDS for each media used shall be maintained on site.

Blasting media usage and the associated emissions shall be recorded each month and the rolling 12 month total emissions updated.

Date September 12, 2011

ATTACHMENT A-1

Permit Number 80799

CHEMICALS AND CLEANERS

The following materials are authorized for use in support of maintenance activities on the facilities located at the site.

Lubricants
Spray lubricants
Rust inhibitors
Degreaser cleaner
Contact cleaner
Starting fluid
Hydraulic jack oil
Thread cutting oil
Anti-seize compound
Coupling grease
Valve lubricant/sealant
Bearing grease
Tapping/cutting fluid
Motor grease

Date September 12, 2011

ATTACHMENT A-2

Permit Number 80799

LOW EMITTING ACTIVITIES

The following low emitting MSS activities are eligible for reduced recordkeeping:

Replacement of process and analyzer filters/screens
Calibration of CEMS Analyzers and process instrumentation
Spare pump startups
Carbon can replacement
Tank inspections
Water washing empty containers, drums, and totes
Catalyst replacement
Sample and instrument purging
Acid and caustic washing
Blowdowns of machines and natural gas, liquid hydrocarbons, compressed air, and steam lines
Combustion shutoff devices
Insulation addition or removal
Pneumatic starts on reciprocating engines, turbines, or compressors
Ultrasonic cleaning
Salt dryer purge to flare

Date September 12, 2011

ATTACHMENT B

Permit Number 80799

ROUTINE MAINTENANCE ACTIVITIES

Valve and Piping Maintenance/Replacement

Pipeline Pigging

Compressor maintenance

Maintenance on pumps

Heat Exchanger Maintenance

Date September 12, 2011

ATTACHMENT C

Permit Number 80799

MSS ACTIVITY SUMMARY

Facilities	Description	Emissions Activity	EPN
all process units	process unit shutdown/ depressurize/drain	vent to flare	66FL1 66FL2 66FL3 66FL4 66FL12
all process units	process unit purge/degas/drain	vent to atmosphere	MSS-VES
all process units	process unit startup	vent to flare	66FL1 66FL2 66FL3 66FL4 66FL12
all process units and tanks	preparation for facility/component repair/replacement	vent to flare	66FL1 66FL2 66FL3 66FL4 66FL12
all process units and tanks	preparation for facility/component repair/replacement	vent to atmosphere	MSS-VES MSS-TANKS
all process units and tanks	recovery from facility/component repair/replacement	vent to flare	66FL1 66FL2 66FL3 66FL4 66FL12
all process units and tanks	recovery from facility/component repair/replacement	vent to atmosphere	MSS-VES MSS-TANKS
all process units and tanks	preparation for unit turnaround or facility repair/replacement	remove liquid	MSS-VAC MSS-FRAC MSS-VES MSS-TANKS
SRUs	SRU startup, shutdown, and meltout	startup, shutdown, and meltout	34I1 43I1
furnaces	furnace decoking	decoking	Heaters/ Furnaces

Facilities	Description	Emissions Activity	EPN
GOHDS Unit	ARD Units startup and shutdown	flare acid gas	66FL12 66FL13 43I1
Units 41 and 42	Unit shutdown	flare acid gas	66FL3 66FL12
flare gas recovery system	flare gas recovery system shutdown for maintenance	flare unrecovered gas	66FL1, 66FL2, 66FL3, 66FL4, and 66FL12.
Hydrogen Unit	Unit shutdown for maintenance	flare hydrogen stream	66FL1 66FL3 66FL12
brine flares	flare(s) shutdown for maintenance	control emissions with pilot flames	F-68-4A F-68-4B F-68-4C F-68-4D F-68-4E F-68-4 F F-68-4G F-68-4H
all floating roof tanks	tank roof landing	operation with landed roof	MSS-TANKS
all floating roof tanks	degas of tank with landed roof	controlled degassing	MSS-TANKS
all tanks	tank cleaning	cleaning activity and solvents	MSS-TANKS
see Attachment A-1	chemicals and cleaners	chemicals and cleaners used for maintenance of Attachment D facilities	MSS-CHEM
see Attachment A-2	low emitting activities	low emitting activities	MISC-MSS
all	blasting media	abrasive blasting	MSS-BLAST

Date September 12, 2011

ATTACHMENT D

Permit Number 80799

FACILITY LIST

This permit authorizes emissions from the following temporary facilities used to support planned MSS activities at permanent site facilities: frac tanks, containers, vacuum trucks, facilities used for painting or abrasive blasting, portable control devices identified in Special Condition 13, and controlled recovery systems. Emissions from temporary facilities are authorized provided the temporary facility (a) does not remain on the plant site for more than 12 consecutive months, (b) is used solely to support planned MSS activities at the permanent site facilities listed in this Attachment, and (c) does not operate as a replacement for an existing authorized facility.

This permit authorizes MSS emissions from the units identified below. Facilities are listed by permit following the unit list.

Units

Unit 2.2	Hydrodesulphurization Unit (HDS)
Unit 4	Butamer
Unit 5	Pentane Isom
Unit 6	Benzene Hydro and Hexane Isom
Unit 7	Catalytic Reformer
Unit 9	Crude Unit
Unit 10	Crude Unit
Unit 11	Ethane Recovery
Unit 12	Pantex
Unit 19	Hydrodesulphurization (HDS) Unit Reformer
Unit 22	HF Alkylation
Unit 23	Straight Run Fractionation
Unit 25	SZorb
Unit 26	Light Ends Fractionator
Unit 28	Crude Unit
Unit 29	Gas Oil Catalytic Cracking (FCCU)
Unit 32	Desalter Unit
Unit 34	Amine Treater
Unit 35	MDEA Treater
Unit 36	Light Cycle Oil (LCO) Hydrodesulphurization (HDS) Unit
Unit 40	Heavy Oil Catalytic Cracker (FCCU)
Unit 41	Gas Oil Hydrodesulphurization Unit (GOHDS)
Unit 42	Gas Oil Hydrodesulphurization Unit (GOHDS)
Unit 43	Gas Oil Hydrodesulphurization Unit (GOHDS)
Unit 44	Gas Oil Hydrodesulphurization Unit (GOHDS)
Unit 45	Methyl Mercaptan Unit
Unit 50	Coker Unit
Unit 51	Vacuum Unit
Unit 98	H2 Production
Tank Farm	

Permit Number 9868A

<u>NAME</u>	<u>FIN</u>
CRUDE OIL HEATER	10-1
MOL SIEVE REGEN GAS HEATER	12-1
GAS ENGINE #41	12-E1
GAS ENGINE #42	12-E2
GAS ENGINE #43	12-E3
GAS ENGINE #44	12-E4
GAS ENGINE #45	12-E5
GAS ENGINE #46	12-E6
GAS ENGINE #47	12-E7
19.2 PLATFORMER CHARGE HEATER	19-1
19.1 #2 REHEATER	19-2
19.1 NAPHTHA HDS CHARGE HEATER	19-3
19.3 DISTILLATE HDS CHARGE HEATER	19-4
19.1 #1 REBOILER FURNACE	19-5
UNIT 19.2 PLATFORMER REHEATER	19-6
UNIT 2-2 HDS CHARGE HEATER	2-1
REBOILER FURNACE	2-2
ALKY REBOILER FURNACE	22-1
UNIT 26 DEBUTANIZER REBOILER	26-2
CRUDE UNIT 28 HEATER	28-1
UNIT 29 DEBUTANIZER REBOILER	29-4
UNIT 29 FCCU REGENERATOR	29P1
UNIT 34 INCINERATOR	34I1
UNIT 36 HEATER	36-1
UNIT 40 SUPERHEATER #1	40-1
UNIT 40 FCCU REGENERATOR	40P1
UNIT 4 FEED HEATER	4-1
UNIT 41 REFORMER FURNACE	41-1
UNIT 4 DEHYDRATOR HEATER	4-2
UNIT 42 REACTOR CHARGE HEATER	42-1
UNIT 42 REACTOR CHARGE HEATER	42-2
UNIT 42 FRACTIONATOR FEED HEATER	42-3
UNIT 43 INCINERATOR	43I1
UNIT 50 CHARGE HEATER - COKER FURNACE	50-1
COKER TANK HEATER 1	50HT1
COKER TANK HEATER 2	50HT2
COKER TANK HEATER 3	50HT3
UNIT 5-A FEED HEATER	5-1
UNIT 51 CHARGE HEATER - VDU HEATER	51-1
THERMAL OXIDIZER	53FL1

<u>NAME</u>	<u>FIN</u>
P-55 GAS ENGINE #1	55-1
P-55 GAS ENGINE #2	55-2
P-55 GAS ENGINE #3	55-3
CNU TRUCK LOADING & FUGITIVES	56-4
U56 CAUSTIC STRIPPER VENT @ U26 CR	56V1
UNIT 6 HYDRO PREHEATER	6-1
C6 DRYER REGEN FURNACE	6-3
EAST REFINERY FLARE	66FL1
100M SWT BRINE FLARE PIT @ JTF	66FL10
30M SWT BRINE FLARE PIT @ JTF	66FL11
GOHDS HYDROCARBON FLARE	66FL12
GOHDS DERRICK FLARE	66FL13
WEST REFINERY FLARE	66FL2
CAT FLARE	66FL3
NGL NON-CORROSIVE FLARE	66FL4
NGL ACID GAS FLARE	66FL6
100M SOUR BRINE FLARE PIT @ JTF	66FL8
UNIT 7 PLAT ENGINE #1	7-E1
UNIT 7 PLAT ENGINE #2	7-E2
UNIT 7 PLAT ENGINE #3	7-E3
UNIT 7 PLAT ENGINE #4	7-E4
UNIT 7 PLAT ENGINE #5	7-E5
UNIT 7 PLAT ENGINE #6	7-E6
UNIT 7 CHARGE HEATER	7H1
REFINERY BOILER 2.4	81-17
UNIT 40 CARBON MONOXIDE BOILER	85-2
UNIT 9 CRUDE HEATER	9-1
GAS ENGINE #37	93-1
GAS ENGINE #38	93-2
GAS ENGINE #37	93-3
GAS ENGINE	93-4
REFORMER CHARGE	98-1
FIREWATER PUMPS 1-5	FWP1-5
REFINERY TANK CAR LOADING	L53R1
LOADING	L53R2
NGL TANK CAR TRACKS 3 & 4	L53R3
REFINERY TANK TRUCK LOADING	L53T1
NGL TANK TRUCK LOADING	L53T2
NGL LIGHT ENDS FRACTIONATION	P-1
ATMOSPHERIC CRUDE DISTILLATION UNIT 10	P-10
NGL DEETHANIZER UNIT	P-11
CRYOGENIC GAS PLANT	P-12
NGL CLEAN-UP UNIT 13	P-13

<u>NAME</u>	<u>FIN</u>
NGL UNIT 1-6	P-1-6
NGL UNIT 1-7	P-1-7
REFINERY NAPHTHA HYDRODESULFURIZATION	P-19-1
REFINERY CATALYTIC REFORMER	P-19-2
REFINERY DISTILLATE HYDRODESULFURIZATION	P-19-3
FUGITIVES	P-2
NGL HEAVY ENDS FRACTIONATION	P-2-1
HF ALKYLATION - UNIT 22	P-22
STRAIGHT RUN FRACTIONATION - UNIT 23	P-23
NGL DEOILER UNIT	P-2-5
HEAVY OIL FCCU FRACTIONATION	P-26
ATMOSPHERIC CRUDE DISTILLATION - UNIT 28	P-28
GAS OIL FCC UNIT 29	P-29
CRUDE DESALTING & SOUR WATER STRIPPING	P-32
SULFUR RECOVERY UNIT 34	P-34
REFINERY AMINE GAS TREATER	P-35
REFINERY LIGHT CYCLE OIL HYDRODESULFURIZ	P-36
BUTANE ISOMERIZATION	P-4
HEAVY OIL CATALYTIC CRACKING	P-40
PLANT FUGITIVE EMISSION	P-41
GOHDS UNIT 42	P-42
SULFUR HANDLING/STORAGE	P-43
UNIT 44 AMINE RECLAMATION	P-44
PENTANE ISOMERIZATION FUGITIVES	P-5
UNIT 50 FUGITIVES	P-50
COKE HANDLING FUGITIVES	P-50A
VDU FUGITIVES	P-51
REFINERY LOADING FUGITIVES	P-53-1
NGL LOADING RACK FUGITIVES	P-53-2
COOLING TOWER (REFINERY #9)	P-54-10
COOLING TOWER (REFINERY #3)	P-54-11
COOLING TOWER (NGL MARLEY #12)	P-54-12
COOLING TOWER (NGL PRITCHARD #14)	P-54-13
COOLING TOWER (NGL MARLEY #15)	P-54-14
COOLING TOWER (NGL PRITCHARD #16)	P-54-15
COOLING TOWER (NGL PRITCHARD #18)	P-54-16
COOLING TOWER (REFINERY #8)	P-54-17
COOLING TOWER (REFINERY #13)	P-54-18
COOLING TOWER (REFINERY #10)	P-54-19
COOLING TOWER (ECODYNE #9)	P-54-2
COOLING TOWER (REFINERY #17 - GOHDS)	P-54-20
COOLING TOWER (VACUUM UNIT)	P-54-21
COOLING TOWER (NGL SANTA FE #11)	P-54-3

<u>NAME</u>	<u>FIN</u>
COOLING TOWER (NGL MARLEY #13)	P-54-4
COOLING TOWER (NGL MARLEY #10)	P-54-6
COOLING TOWER (REFINERY #2)	P-54-7
COOLING TOWER (REFINERY #4)	P-54-8
COOLING TOWER (REFINERY #7)	P-54-9
AIR COMPRESSOR AREA FUGITIVES	P-55
API TRAP FUGITIVES	P-56
WASTE WATER PRETREATMENT	P-56-1
WASTE WATER PRETREATMENT	P-56-1
WASTE WATER PRETREATMENT	P-56-1
WASTE WATER PRETREATMENT	P-56-1
WASTE WATER PRETREATMENT	P-56-1
HAZARDOUS WASTE IMPOUNDMENT	F-56-1-5
WASTE WATER TREATMENT	P-56-2
HEXANE ISOMERIZATION	P-6
REFINERY FLARE SYSTEM	P-66-1
NGL FLARE FUGITIVES	P-66-2
NGL FLARES AND FLARE GAS RECOVERY	P-66-3
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
STORAGE CAVERN - BRINE PONDS AND FLARE P	P-68-1
GOHDS STORAGE FUGITIVES	P-68-1A
E REFINERY STORAGE FACILITY	P-68-1E
N REFINERY STORAGE FUGITIVES	P-68-1N
ROCKY STATION FUGITIVES	P-68-1R
S. REFINERY STORAGE FUGITIVES	P-68-1S
TAUBMAN YARD FUGITIVES	P-68-1T
W. REFINERY STORAGE FUGITIVES	P-68-1W
N COBLE STORAGE FUGITIVES	P-68-2N
S. COBLE STORAGE FUGITIVES	P-68-2S
NGL WEST STORAGE FUGITIVES	P-68-3
JTF FUGITIVES	P-68-4T
GASOLINE BLENDING SYSTEM	P-68-5
PLATFORMER UNIT 7	P-7
REFINERY BOILERS	P-81
NGL BOILERS	P-82
UNIT 40 COB FUGITIVES	P-85-2
ATMOSPHERIC CRUDE DISTILLATION UNIT 9	P-9

<u>NAME</u>	<u>FIN</u>
FUGITIVES UNIT 98	P-98
STORAGE TANK	T0109
STORAGE TANK	T0110
STORAGE TANK	T0111
STORAGE TANK	T0202
TANK	T0303
TANK	T0309
TANK	T0401
TANK STORAGE	T0511
TANK	T0514
TANK	T0552
TANK	T0562
TANK	T0572
STORAGE TANK	T0573
TANK STORAGE	T1001
TANK STORAGE	T1002
TANK STORAGE	T1003
TANK STORAGE	T1006
TANK STORAGE	T1007
TANK STORAGE	T1012
TANK STORAGE	T1013
TANK STORAGE	T1064
STORAGE TANK	T1067
TANK STORAGE	T1163
TANK STORAGE	T1164
TANK STORAGE	T1165
TANK STORAGE	T1070
STORAGE TANK	T2072
TANK STORAGE	T2510
TANK STORAGE	T2553
TANK STORAGE	T2571
TANK STORAGE	T2572
TANK STORAGE	T2575
STORAGE TANK	T2576
STORAGE TANK	T2577
TANK STORAGE	T2578
STORAGE TANK	T2579
TANK	T2580
STORAGE TANK	T2670
TANK STORAGE	T2672
TANK STORAGE	T2673
TANK STORAGE	T2674
TANK STORAGE	T2675

<u>NAME</u>	<u>FIN</u>
TANK STORAGE	T2676
TANK STORAGE	T2677
TANK STORAGE	T2678
TANK STORAGE	T3001
TANK STORAGE	T3002
TANK	T3003
TANK STORAGE	T4030
COKER DAY TANK	T5001
TANK STORAGE	T5505
TANK	T5508
STORAGE TANK	T5511
TANK STORAGE	T5520
TANK STORAGE	T5521
TANK STORAGE	T5525
TANK STORAGE	T5531
TANK STORAGE	T5532
TANK STORAGE	T5536
TANK STORAGE	T5537
STORAGE TANK	T5539
TANK STORAGE	T5540
TANK STORGAE	T5541
TANK STORAGE	T5542
TANK STORAGE	T5543
TANK STORAGE	T5544
TANK STORAGE	T5545
TANK	T5548
STORAGE TANK	T5550
TANK STORAGE	T5551
TANK STORAGE	T5553
TANK STORAGE	T5554
TANK STORAGE	T5555
TANK STORAGE	T5556
TANK	T5558
TANK STORAGE	T5559
TANK STORAGE	T5560
TANK STORAGE	T5578
TANK STORAGE	T5580
TANK STORAGE	T5583
TANK STORAGE	T5584
TANK STORAGE	T5587
TANK STORAGE	T5588

<u>NAME</u>	<u>FIN</u>
TANK	T5589
TANK STORAGE	T5590
TANK STORAGE	T5591
TANK STORAGE	T5592
TANK STORAGE	T5593
TANK STORAGE	T5596
TANK STORAGE	T5597
TANK STORAGE	T5598
TANK STORAGE	T5599
TANK STORAGE	T8001
TANK STORAGE	T8002
TANK STORAGE	T8010
TANK STORAGE	T8011
TANK STORAGE	T8012
TANK	T8013
TANK STORAGE	T8014
TANK	T8015
TANK STORAGE	T8031
TANK STORAGE	T8032
TANK	T8033
TANK STORAGE	T8034
TANK STORAGE	T9200
TANK STORAGE	T9201
TANK	T9202
TANK	T9400
TANK	T9401
TANK STORAGE	T9500
TANK STORAGE	T9501
TANK STORAGE	T9502
TANK STORAGE	T9503
TANK	T9504
TANK	T9600
TANK	T9601
PETROLEUM STORAGE TANK	T9700
PETROLEUM STORAGE TANK	T9701
PETROLEUM STORAGE TANK	T9702
SULFUR STORAGE TANK	TKG47

Permit Number 43073

<u>Name</u>	<u>FIN</u>
Charge Heater	25H1
Unit 25 Fugitives	F-25
Regenerator Vent	25V1

Permit Number 71385

<u>Name</u>	<u>FIN</u>
Tank 520	T0520
Unit 45 Fugitives	P-U45
Cooling Tower (Unit 45)	P-45-10

Permit Number 84720

<u>Name</u>	<u>FIN</u>
Temporary Boiler No. 1	Skid BLR1

Permit Number 85872

<u>Name</u>	<u>FIN</u>
Skid Boiler	Skid BLR
Skid Boiler Fugitives	Fug
Boiler 2.4	81B17

Date September 12, 2011

Emission Sources - Maximum Allowable Emission Rates

Permit Number 80799

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
66FL1 66FL2 66FL3 66FL4 66FL12	Controlled Vessel Degassing	CO	34.94	4.18
		H ₂ S	2.32	0.22
		NO _x	17.50	2.09
		SO ₂	214.40	38.32
		VOC	84.42	9.77
MSS-VAC MSS-AIRMOVERS MSS-BLAST MSS-FRAC MSS-VES MSS-MAINTACT MSS-EQP MISC-MSS MSS-DRAING	Atmospheric MSS	CO	0.15	0.03
		H ₂ S	0.43	0.03
		NO _x	0.15	0.03
		SO ₂	0.15	0.03
		VOC	310.40	48.60
		PM	0.23	0.43
		PM ₁₀	0.23	0.43
		PM _{2.5}	0.23	0.43
MSS-CHEM	Chemicals and Cleaners for MSS	VOC	11.39	11.85
MSS-TANKS	Tank MSS (5)	VOC	854.00	7.49
Heaters/Furnaces	Decoking (5)	CO	3.89	6.02
		PM	1.67	2.58
		SO ₂	5.56	8.60
34I1 43I1	SRU Startup and Meltout	H ₂ S	0.05	0.01
		SO ₂	94.00	6.77

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
66FL12 66FL13 43I1	GOHDS Units Startup and Shutdown	CO	2,603.00	62.46
		H ₂ S	60.00	1.44
		NO _x	1,700.00	40.80
		SO ₂	5,534.00	132.80
		VOC	0.96	0.01
		PM	0.01	0.01
66FL1 66FL2 66FL3 66FL4 66FL12	Hydrogen, Off Gas, and Flare Gas Recovery Flaring	CO	105.00	2.24
		H ₂ S	69.54	0.11
		NO _x	57.45	1.20
		SO ₂	6,414.00	9.68
		VOC	1,675.00	3.39
F-68-4A F-68-4B F-68-4C F-68-4D F-68-4E F-68-4F F-68-4G F-68-4H	Brine Flare MSS	CO	0.02	0.03
		NO _x	0.01	0.01
		VOC	2.04	4.52

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code §101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

H₂S - hydrogen sulfide

PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Emissions may occur at any tank or heater/furnace.

Date: October 9th, 2014

ATTACHMENT 2

Bryan W. Shaw, Ph.D., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



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

September 19, 2013

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 112249
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Internal Floating Roof Tank at Borger Refinery
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
Affected Permit (if applicable): 9868A
Renewal Date (if applicable): None

PHILLIPS 66 COMPANY has certified the emissions associated with the construction of an internal floating roof tank at the Borger Refinery under Title 30 Texas Administrative Code § 106.478. PBR 112249 should be incorporated or referenced in permit No. 9868A during the next amendment or renewal. For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Guillermo Reyes, P.E. at (512) 239-5716.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 196589

Emission Sources - Certified Emission Rates

Registration Number 112249

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS																
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NOx		CO		PM₁₀		PM_{2.5}		SO₂		Benzene		
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	
2674/Internal Floating Roof Tank			1.97												<0.01	0.01
F-2674/Fugitive Emissions		0.03	0.15												<0.01	<0.01
TOTAL EMISSIONS (TPY):			2.11													0.01
MAXIMUM OPERATING SCHEDULE:		Hours/Day		Days/Week		Weeks/Year		Hours/Year		8760						

Bryan W. Shaw, Ph.D., *Chairman*
Carlos Rubinstein, *Commissioner*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



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

April 1, 2013

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 107921
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Increase Naphtha to Subgrade, Unit 19.1
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
Affected Permit (if applicable): 9868A, 80799
Renewal Date (if applicable): None

Phillips 66 Company has certified the emissions associated with increasing the capability to blend sweet naphtha to subgrade gasoline under Title 30 Texas Administrative Code § 106.261. PBR Registration 107921 should be consolidated or referenced into affected Flexible Permit 9868A and Permit 80799 at the next amendments or renewals. Emissions are on the attached table. For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

Associated, planned MSS emissions are already authorized in affected Permit 80799. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Jonathan Wilmoth, P.E. at (512) 239-0567.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 188306

Emission Sources - Certified Emission Rates

Registration Number 107921 (project 188306)

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS															
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NO_x		CO		PM₁₀		PM_{2.5}		SO₂		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
F-19-1-a / Unit 19.1 Fugitives		0.02	0.09												
T-2575 / Tank 2575		0.14	0.25												
T-5599 / Tank 5599		0.14	0.25												
TOTAL EMISSIONS (TPY):			0.59												
MAXIMUM OPERATING SCHEDULE:		Hours/Day			Days/Week			Weeks/Year			Hours/Year		8760		

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

April 17, 2014

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 114364
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: LD/LCO Replacement Tanks
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
Affected Permit (if applicable): 9868A
Renewal Date (if applicable): None

Phillips 66 Company has certified the emissions associated with the kerosene distillate (KD)/light cycle oil (LCO) replacement tanks under Title 30 Texas Administrative Code §§ 106.261, 106.263, and 106.478, including adding tank 5600. Following 30 TAC 116.116(d)(2), changes authorized by this registration to permitted facilities shall be incorporated into NSR Flexible Permit No. 9868A when it is next amended or renewed. For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Jonathan Wilmoth, P.E. at (512) 239-0567.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 208025

Emission Sources - Certified Emission Rates

Registration Number 114364 (project 208025)

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS															
EPN	Emission Source	VOC		NOx		CO		PM₁₀		PM_{2.5}		SO₂		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
5589	External Floating Roof Tank	1.93	0.59												
5590	External Floating Roof Tank	1.90	0.58												
5600	External Floating Roof Tank	1.93	0.59												
F-KD Tanks	Fugitive Emissions	0.21	0.93												
5589	External Floating Roof Tank - MSS	3.54	0.02												
5590	External Floating Roof Tank - MSS		0.02												
5600	External Floating Roof Tank - MSS		0.02												
TOTAL EMISSIONS (TPY):			2.75												
MAXIMUM OPERATING SCHEDULE:		Hours/Day		Days/Week				Weeks/Year		Hours/Year				8760	

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

March 6, 2014

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 115785
Location: State Spur 119 N
City/County: Borger, Hutchinson County
Project Description/Unit: Generator Engines
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
30 TAC § 106.512 Effective Date: 06/13/2001

Phillips 66 Company has certified the emissions associated with the use of temporary generator engines located at Borger Refinery under the Permit by Rule(s) stated above. Following 30 TAC §116.116(d)(2), changes authorized by this registration to permitted facilities shall be incorporated into Standard Permits No. 104928 and Flexible Permit 9868A when it is next amended or renewed. We understand that, according to your representation, these temporary engines will not be on site for more than 12 consecutive months and the operation of the temporary engines will coincide with operation of the boilers. For rule information see: www.tceq.texas.gov/permitting/air/nav/numerical_index.html.

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. In addition, under the General Requirements for all Permit by Rules, § 106.2 states that particular requirements only apply "where construction is commenced on or after the effective date of the relevant permit by rule."

If you have questions, please contact Mr. Vincent Rehkopf at (512) 239-1361. This action is taken under the authority delegated by the Executive Director of the TCEQ.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 202690

Certified Emission Rates
Registration Number: 115785

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS															
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NO_x		CO		PM₁₀		PM_{2.5}		SO₂		HCHO	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
A-1 / Engine		0.66	1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
A-2 / Engine			1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
A-3 / Engine			1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
A-4 / Engine			1.06	0.79	1.27	1.87	3.00	0.04	0.06	0.04	0.06	<0.01	<0.01	0.19	0.30
TOTAL EMISSIONS (TPY):			4.24		5.08		12.00		0.24		0.24		<0.01		1.20
MAXIMUM OPERATING SCHEDULE:		Hours/Day		Days/Week		Weeks/Year		Hours/Year		3,210					

- VOC - volatile organic compounds
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- PM₁₀ - particulate matter equal to or less than 10 microns in size
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in size
- SO₂ - sulfur dioxide
- HCHO - formaldehyde

**Fugitive emissions are an estimate only and should not be considered as a maximum allowable

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



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

December 18, 2009

MR GREGORY LUCCHESI
OPERATIONS MANAGER
CONOCOPHILLIPS COMOANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number:	90182
Location/City/County:	State Spur 119 N, Borger, Hutchinson County
Project Description/Unit:	New and Existing Piping Components for the Separation of Heavy Naphtha
Regulated Entity Number:	RN102495884
Customer Reference Number:	CN601674351
New or Existing Site:	Existing
Affected Permit (if applicable):	9868A and PSD-TX-102M7
Renewal Date (if applicable):	None

ConocoPhillips Company has certified the fugitive emissions associated with piping components, including the installation of new piping components, for the separation of heavy naphtha under Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261). PBR Registration Number 90182 also includes a new separator, a steam stripper, an air cooler that had been out of service (OOS), a water condenser (to condense VOCs) that had been OOS, and changes to and additions of process flow streams. For rule information see:
http://www.tceq.state.tx.us/permitting/air/nav/numerical_index.html

Upstream and downstream actual process emissions are not increasing, and affected upstream and downstream process emissions are only refinery petroleum fractions. Actual emissions due to heat loading are reduced under PBR Registration 90182.

PBR Registration 90182 should be consolidated into Flexible Permit 9868A at the next amendment or renewal. The VOC emissions cap in Flexible Permit 9868A will not be exceeded.

The only planned, associated MSS emissions are due to piping fugitives, and the MSS emissions are claimed, but not registered, under 30 TAC § 106.263. These piping fugitives MSS emissions were not reviewed and are not included on the emissions table below. No planned MSS emissions will be authorized under this registration. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following website which includes the accreditation and exemption information:
http://www.tceq.state.tx.us/compliance/compliance_support/qa/env_lab_accreditation.html

Mr. Gregory Lucchesi
December 18, 2009
Page 2

Permit by Rule Registration Number: 90182

This certification is taken under the authority delegated by the Executive Director of the Texas Commission on Environmental Quality. If you have questions, please contact Mr. Jonathan Wilmoth, P.E., at (512) 239-0567.

Sincerely,



Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

Certified Project Emissions:

VOCs	3.96	tpy
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cc: Air Section Manager, Region 1 - Amarillo

Project Number: 152721

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



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

October 17, 2011

MR CHRIS COON
REFINERY MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 98518
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Coker Unit Sour Gas Coalescer at the Borger Refinery
Regulated Entity Number: RN102495884
Customer Reference Number: CN601674351
New or Existing Site: Existing
Affected Permit (if applicable): None

ConocoPhillips Company has certified the emissions associated with the Coker Unit Sour Gas Coalescer at the Borger Refinery under Title 30 Texas Administrative Code § 106.261, and § 106.262. For rule information see: www.tceq.texas.gov/permitting/air/nav/numerical_index.html

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. In addition, under the General Requirements for all Permit by Rules, § 106.2 states that particular requirements only apply "where construction is commenced on or after the effective date of the relevant permit by rule."

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following Web site which includes the accreditation and exemption information:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Ms. Donna Wurst at (512) 239-5258.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

Certified Project Emissions:

VOC	0.08	tpy
H ₂ S	0.05	tpy

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 169766

August 9, 2012

MR CHRIS COON
 REFINERY MANAGER
 PHILLIPS 66 COMPANY
 PO BOX 271
 BORGER TX 79008-0271

Permit by Rule Registration Number: 102757

Location/City/County: State Spur 119 N, Borger,
 Hutchinson County

Project Description/Unit: Use of a temporary conveyor to
 load petroleum coke into railcars at the Borger Refinery

Regulated Entity Number: RN102495884

Customer Reference Number: CN604065912

New or Existing Site: Existing

Affected Permit (if applicable): Flexible Permit No. 9868A

Renewal Date (if applicable): None

PHILLIPS 66 COMPANY has certified the emissions associated with the use of a temporary conveyor to load petroleum coke into railcars at the Borger Refinery while the coke silo was out of service under Title 30 Texas Administrative Code § 106.261. We understand that the coke silo is back into service and the temporary conveyor is no longer in use. We also understand that emissions from the project are certified to be below the permitted flexible caps in the NSR Flexible Permit No. 9868A. This registration should be incorporated into the flexible permit when next amended or renewed. For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Emmanuel Ukandu, P.E. at (713) 767-3699.

Sincerely, Certified Emissions:

PM ₁₀	0.21	tpy
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PM _{2.5}	0.03	tpy
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Anne M. Inman, P.E., Manager

Rule Registrations Section

Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 177802

MR CHRIS COON
 REFINERY MANAGER
 PHILLIPS 66 COMPANY
 PO BOX 271
 BORGER TX 79008-0271

Permit by Rule Registration Number: 106066
 Location/City/County: State Spur 119 N, Borger, Hutchinson County
 Project Description/Unit: Replacement of the Alky Depropanizer Accumulator Vent Gas Absorber
 Regulated Entity Number: RN102495884
 Customer Reference Number: CN604065912
 New or Existing Site: Existing
 Affected Permit (if applicable): NSR Permit No. 9868A

Renewal Date (if applicable): None

PHILLIPS 66 COMPANY has certified the emissions associated with the Replacement of the Alky Depropanizer Accumulator Vent Gas Absorber at the Borger Refinery under Title 30 Texas Administrative Code § 106.261. This PBR shall be referenced or incorporated into the next amendment or renewal of NSR Permit No. 9868A.

For rule information see www.tceq.texas.gov/permitting/air/nav/numerical_index.html.

MSS emissions for the activities associated with this project are authorized by Permit 80799. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Raymond Lay at (361) 825-3426.

Sincerely,

Anne M. Inman, P.E., Manager

Rule Registrations Section

Air Permits Division

cc: Ms. Wendy Rozacky, Senior Consultant, RPS JDC Inc., Austin

Air Section Manager, Region 1 - Amarillo

Project Number: 183282

Emission Sources - Certified Emission Rates

Registration Number 106066

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS												
EPN / Emission Source	VOC		NOx		CO		PM ₁₀		PM _{2.5}		SO ₂	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
F-22-VGA / Vapor Gas Absorber Fugitives	0.22	0.98										
TOTAL EMISSIONS (TPY):		0.98										

MAXIMUM OPERATING SCHEDULE:	Hours/Day 24	Days/Week 7	Weeks/Year 52	Hours/Year 8,760
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Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 26, 2009

MR ANDREW D STOW
ENVIRONMENTAL MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 87158
Location/City/County: Spur 119 North, Borger, Hutchinson County
Project Description/Unit: Area C Loading Rack
Regulated Entity Number: RN102495884
Customer Reference Number: CN601674351
New or Existing Site: Existing
Affected Permit (if applicable): 9868A and O-1440
Renewal Date (if applicable): None

ConocoPhillips Company has registered the emissions associated with the use of Area C Loading Rack (EPN Sulfur C) to load the degassed sulfur into tank trucks, primarily when the line to the existing railcar loading rack is inoperable under Title 30 Texas Administrative Code §§ 106.261 and 106.262. The emissions should be incorporated into Permit 9868A at the next amendment or renewal.

For rule information see www.tceq.state.tx.us/permitting/air/nav/numerical_index.html.

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized by this registration. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following website which includes the accreditation and exemption information:

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

This registration is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Ms. Rahel Tadesse at (713) 767-3770.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

Represented Emissions:

Hydrogen Sulfide	0.05	tpy
PM	<0.01	tpy

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 143452

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

May 5, 2015

MR PETER C STYNES
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 131269
PHILLIPS 66 COMPANY
Borger Refinery
Borger, Hutchinson County
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
Account Number: HW-0018-P
Affected Permit: 9868A

This is in response to your certification Form PI-7 CERT regarding the Borger Refinery located at State Hwy Spur 119 N, approximately 2 Miles NE Of The City Of Borger On State Highway Spur 119, Borger, Hutchinson County. PHILLIPS 66 COMPANY has certified the emissions under Title 30 Texas Administrative Code (TAC) § 106.371. For rule information see: www.tceq.texas.gov/permitting/air/nav/numerical_index.html

As referenced in 30 TAC § 116.116(d)(2), all changes authorized under Chapter 106 to a permitted facility shall be incorporated into the NSR Permit No. 9868A when it is amended or renewed. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

If you need further information or have questions, please contact Mr. Alan Ritchie at (512)-239-1231 or write to the Texas Commission on Environmental Quality (TCEQ), Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under the authority delegated by the Executive Director of the TCEQ.

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Short".

Samuel Short, Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 231579

Emission Sources - Certified Emission Rates

Registration Number 131269

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS																
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NO_x		CO		PM₁₀		PM_{2.5}		SO₂		Other		
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	
Cooling Towers		1.51	6.62					0.59	2.60	0.59	2.60					
TOTAL EMISSIONS (TPY):		1.51	6.62					0.59	2.60	0.59	2.60					
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24		Days/Week		7		Weeks/Year		52		Hours/Year		8760

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



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

November 13, 2013

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 114332
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Fugitives added for the amine absorber replacement project
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
Affected Permit (if applicable): 9868A
Renewal Date (if applicable): None

PHILLIPS 66 COMPANY has certified the emissions associated with new fugitive components added for the amine absorber replacement project at the Borger Refinery under Title 30 Texas Administrative Code §§ 106.261 and 106.262. Emissions will be incorporated into Flexible Permit 9868A at the next amendment or renewal. Emissions from this project will not cause an exceedance of the VOC emissions cap for Flexible Permit 9868A. For rule information see: www.tceq.texas.gov/permitting/air/nav/numerical_index.html

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Ms. Nancy Akintan at (713) 767-3773.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 200129

Emission Sources - Certified Emission Rates

Registration Number 114332

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS															
EPN / Emission Source	Specific VOC	VOC		NO_x		CO		PM₁₀		PM_{2.5}		SO₂		H₂s	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
F-82/Unit 82 Fugitives		0.03	0.14											<0.01	0.02
TOTAL EMISSIONS (TPY):			0.14												0.02
MAXIMUM OPERATING SCHEDULE:		Hours/Day		Days/Week		Weeks/Year		Hours/Year		8760					

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



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

November 15, 2013

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 114364
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Kerosene distillate replacement tanks (5589 and 5590)
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
Affected Permit (if applicable): 9868A
Renewal Date (if applicable): None

PHILLIPS 66 COMPANY has certified the emissions associated with the kerosene distillate replacement tanks (EPNs: 5589 and 5590) at the Borger Refinery under Title 30 Texas Administrative Code §§ 106.261, 106.263, and 106.478. Emissions will be incorporated into Flexible Permit 9868A at the next amendment or renewal. Emissions from this project will not cause an exceedance of the VOC emissions cap for Flexible Permit 9868A. For rule information see: www.tceq.texas.gov/permitting/air/nav/numerical_index.html

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Ms. Nancy Akintan at (713) 767-3773.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 200188

Emission Sources - Certified Emission Rates

Registration Number 114364

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS															
EPN	Emission Source	VOC		NO_x		CO		PM₁₀		PM_{2.5}		SO₂		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
Tank 5589	Routine Emissions from external floating roof tank	1.93	0.59												
Tank 5590		1.90	0.58												
F-KD Tanks	KD Tank Fugitives	0.20	0.86												
Tank 5589	MSS Emissions from external floating roof tank	*3.54	0.03												
Tank 5590															
TOTAL EMISSIONS (TPY):			2.07												
MAXIMUM OPERATING SCHEDULE:		Hours/Day			Days/Week			Weeks/Year			Hours/Year		8760		

*Note: MSS emissions are for one tank, assumption is made that only one tank will be cleaned at a time.

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



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

November 13, 2013

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 114429
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Replacement of Tank 5532
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
Affected Permit (if applicable): 9868A
Renewal Date (if applicable): None

PHILLIPS 66 COMPANY has certified the emissions associated with the replacement of Tank 5532 at the Borger Refinery under Title 30 Texas Administrative Code § 106.478. Emissions will be incorporated into Flexible Permit 9868A at the next amendment or renewal. Emissions from this project will not cause an exceedance of the VOC emissions cap for Flexible Permit 9868A. For rule information see:
www.tceq.texas.gov/permitting/air/nav/numerical_index.html

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Ms. Nancy Akintan at (713) 767-3773.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 200289

Emission Sources - Certified Emission Rates

Registration Number 114429

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS															
EPN / Emission Source	Specific VOC	VOC		NO_x		CO		PM₁₀		PM_{2.5}		SO₂		Benzene	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
Tank 5532/EFR		6.49	21.05											0.04	0.13
TOTAL EMISSIONS (TPY):			21.05												0.13
MAXIMUM OPERATING SCHEDULE:		Hours/Day		Days/Week		Weeks/Year		Hours/Year		8760					

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 15, 2011

MR CHRIS COON
REFINERY MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number:	99345
Location/City/County:	State Spur 119 N, Borger, Hutchinson County
Project Description/Unit:	Feed Filtration System/Unit 42 GOHDS
Regulated Entity Number:	RN102495884
Customer Reference Number:	CN601674351
New or Existing Site:	Existing
Affected Permit (if applicable):	9868A, O1440
Renewal Date (if applicable):	None

ConocoPhillips Company has certified the emissions associated with the installation of a Feed Filtration System at the Unit 42 Gas Oil Hydrotreater (GOHDS) of the Borger Refinery under Title 30 Texas Administrative Code §§ 106.261. This registration should be incorporated into or referenced in Flexible Permit No. 9868A when the permit is next amended or renewed. This project will not cause an exceedance of the emissions caps or individual emission limitations of the flexible permit.

For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

There will be no additional planned MSS emissions as a result of this project. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following Web site which includes the accreditation and exemption information:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

Mr. Chris Coon
December 15, 2011
Page 2

This certification is taken under the authority delegated by the Executive Director of the TCEQ.
If you have questions, please contact Mr. Howard Uhal at (512) 239-6115.

Sincerely,



Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

Certified Project Emissions:

VOC	0.84	tpy
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cc: Air Section Manager, Region 1 - Amarillo

Project Number: 171282

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



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

December 15, 2011

MR CHRIS COON
REFINERY MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number:	99365
Location/City/County:	State Spur 119 N, Borger, Hutchinson County
Project Description/Unit:	Fuel Gas Dehydration Project/Borger Refinery
Regulated Entity Number:	RN102495884
Customer Reference Number:	CN601674351
New or Existing Site:	Existing
Affected Permit (if applicable):	9868A, O1440
Renewal Date (if applicable):	None

ConocoPhillips Company has certified the emissions associated with the Fuel Gas Dehydration Project at the Borger Refinery under Title 30 Texas Administrative Code §§ 106.261. This registration should be incorporated into or referenced in Flexible Permit No. 9868A when the permit is next amended or renewed. This project will not cause an exceedance of the emissions caps or individual emission limitations of the flexible permit.

For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

There will be no additional planned MSS emissions as a result of this project. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following Web site which includes the accreditation and exemption information:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

Mr. Chris Coon
December 15, 2011
Page 2

This certification is taken under the authority delegated by the Executive Director of the TCEQ.
If you have questions, please contact Mr. Howard Uhal at (512) 239-6115.

Sincerely,



Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

Certified Project Emissions:

VOC	0.71	tpy
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cc: Air Section Manager, Region 1 - Amarillo

Project Number: 171310

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 15, 2011

MR CHRIS COON
REFINERY MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number:	99373
Location/City/County:	State Spur 119 N, Borger, Hutchinson County
Project Description/Unit:	Skelly-Belvieu Pipeline Project/Borger Refinery
Regulated Entity Number:	RN102495884
Customer Reference Number:	CN601674351
New or Existing Site:	Existing
Affected Permit (if applicable):	9868A, O1440
Renewal Date (if applicable):	None

ConocoPhillips Company has certified the emissions associated with the Skelly-Belvieu Pipeline Project at the Borger Refinery under Title 30 Texas Administrative Code §§ 106.261. This registration should be incorporated into or referenced in Flexible Permit No. 9868A when the permit is next amended or renewed. This project will not cause an exceedance of the emissions caps or individual emission limitations of the flexible permit.

For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

There will be no additional planned MSS emissions as a result of this project. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following Web site which includes the accreditation and exemption information:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

Mr. Chris Coon
December 15, 2011
Page 2

This certification is taken under the authority delegated by the Executive Director of the TCEQ.
If you have questions, please contact Mr. Howard Uhal at (512) 239-6115.

Sincerely,



Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

Certified Project Emissions:

VOC	1.69	tpy
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cc: Air Section Manager, Region 1 - Amarillo

Project Number: 171323

MR PETER C STYNES
 REFINERY MANAGER
 PHILLIPS 66 COMPANY
 PO BOX 271
 BORGER TX 79008-0271

Permit by Rule Registration Number: 129637

PHILLIPS 66 COMPANY

Back-Up Air Compressor Engine

Borger, Hutchinson County

Regulated Entity Number: RN102495884

Customer Reference Number: CN604065912

Account Number: HW-0018-P

Affected Permit: SOP No. O-1440

This is in response to your certification Form PI-7 CERT regarding the Back-Up Air Compressor Engine in Unit 43 at the Borger Refinery located at State Spur 119 N., Borger, Hutchinson County. PHILLIPS 66 COMPANY has certified the emissions under Title 30 Texas Administrative Code (TAC) § 106.512. For rule information see: www.tceq.texas.gov/permitting/air/nav/numerical_index.html

As referenced in 30 TAC § 116.116(d)(2), all changes authorized under Chapter 106 to a permitted facility shall be incorporated into the SOP Permit No. O-1440 when it is amended or renewed. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. If you need further information or have questions, please contact Mr. Raymond D. Lay at (361) 825-3421 or write to the Texas Commission on Environmental Quality (TCEQ), Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under the authority delegated by the Executive Director of the TCEQ.

Sincerely,

Dominic Ruggeri, P.E., Manager

Rule Registrations Section

Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 227821

Emission Sources - Certified Emission Rates

Registration Number 129637

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS											
EPN / Emission Source	VOC*		NOx		CO		PM ₁₀		PM _{2.5}		SC
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	
ENG-SC1 / 440-hp Caterpillar Model C15 ACERT Engine	0.37	1.64	3.07	13.45	2.53	11.09	0.14	0.63	0.14	0.63	0.1
TOTAL EMISSIONS (TPY):		1.64		13.45		11.09		0.63		0.63	
MAXIMUM OPERATING SCHEDULE:	Hours/Day 24		Days/Week 7			Weeks/Year		52	Hours/Year		

*Total VOC emissions are conservatively assumed to be equal to VOC emissions (from vendor certification sheet) plus Formaldehyde emissions (from AP-42, Chapter 3.3).

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



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

July 22, 2011

MR DENNIS PARKER
REFINERY OPERATIONS MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 96328
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Borger Refinery HDS Catalysis Guard Beds F-2-1 and F-2-2
Fugitive Components
Regulated Entity Number: RN102495884
Customer Reference Number: CN601674351
New or Existing Site: Existing
Affected Permit (if applicable): 9868A and 80799
Renewal Date (if applicable): None

ConocoPhillips Company has certified the emissions associated with the Borger Refinery Installation of HDS Catalysis Guard Beds EPN F-2-1 and F-2-2 fugitive components under Title 30 Texas Administrative Code §§ 106.261. The emissions associated with this projects should be incorporated into NSR permit 80799 at the next permit amendment or renewal. For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized. We also understand that all MSS emissions associated with the guard beds are authorized under the refinery MSS permit 80799. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following Web site which includes the accreditation and exemption information:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Jon Edwards, P.E. at (512) 239-5863.

Sincerely,

Handwritten signature of Anne M. Inman in black ink.

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

Certified Emissions:

VOC- Refined Petroleum Fractions	0.94 tpy
----------------------------------	----------

cc: Air Section Manager, Region 1 – Amarillo

Project Number 166064

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

June 2, 2014

MR CHRIS COON
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 119377
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Borger Refinery
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
New or Existing Site: Existing
Affected Permit (if applicable) 11429A, 9868A, 43073, 71385, 80799, 85872, and 01440.

PHILLIPS 66 COMPANY has certified the emissions associated with the Borger Refinery under Title 30 Texas Administrative Code §§ 106.261, 106.262. For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

This permit shall be incorporated into an NSR permit during the next renewal period. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. Facility owners or operators must retain records containing sufficient information to demonstrate compliance as required in 30 TAC §106.8.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Isaac Vela at (512) 239-4716.

Sincerely,

A handwritten signature in cursive script, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 209590

Emission Sources - Certified Emission Rates

Registration Number 119377

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

ESTIMATED EMISSIONS														
EPN / Emission Source	VOC		NO_x		CO		PM₁₀		PM_{2.5}		SO₂		Other	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
F11/Amine Flash Drum Fugitives	0.10	0.46												
F-34/Amine Flash Drum Fugitives	0.22	0.97												
TOTAL EMISSIONS (TPY):		1.43												
MAXIMUM OPERATING SCHEDULE:	Hours/Day				Days/Week				Weeks/Year				Hours/Year 8,760	

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



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

May 17, 2011

MR CHRIS COON
REFINERY MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Permit by Rule Registration Number: 95901
Location/City/County: State Spur 119 N, Borger, Hutchinson County
Project Description/Unit: Borger Refinery- U22 Defluorination Project
Regulated Entity Number: RN102495884
Customer Reference Number: CN601674351
New or Existing Site: Existing
Affected Permit (if applicable): 9868A, PSD-TX-102M7
Renewal Date (if applicable): None

ConocoPhillips Company has certified the emissions associated with U22 Defluorination Project the Borger Refinery under Title 30 Texas Administrative Code §§ 106.261 and 106.262. For rule information see:

www.tceq.texas.gov/permitting/air/nav/numerical_index.html

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following Web site which includes the accreditation and exemption information:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. John Gott, P.E. at (512) 239-1238.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division
cc: Air Section Manager, Region 1 - Amarillo

Certified Emissions:

VOC	0.30	tpy
Organic & Inorganic Fluorides	<0.001	tpy

Project Number: 165243

Attachment 3

Bryan W. Shaw, Ph.D., *Chairman*
Buddy Garcia, *Commissioner*
Carlos Rubinstein, *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 12, 2012

MR CHRIS COON
REFINERY MANAGER
CONOCOPHILLIPS COMPANY
PO BOX 271
BORGER TX 79008-0271

Standard Permit Registration Number:	100477	Renewal Date: January 12, 2022
Location:	State Spur 119 N	
City/County:	Borger, Hutchinson County	
Project Description/Unit:	Borger Refinery	
Regulated Entity Number:	RN102495884	
Customer Reference Number:	CN601674351	
New or Existing Site:	Existing	
Affected Permit (if applicable):	NSR Permit No. 85872	
Standard Permit Type:	Boiler	

ConocoPhillips Company has registered the emissions associated with the Borger Refinery under the standard permit listed above as authorized by the Commissioners pursuant to Title 30 Texas Administrative Code § 116.602 (30 TAC § 116.602). Emissions are listed on the attached table. For rule information see www.tceq.texas.gov/permitting/air/nav/standard.html.

Planned MSS emissions for boiler start ups lasting 8 hours and 1 hour shutdowns have been reviewed. These authorized MSS emissions are included on the emissions table. No other planned MSS emissions will be authorized under this registration.

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:

www.tceq.texas.gov/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 email at labprgms@tceq.texas.gov.

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

Mr. Chris Coon
Page 2
January 12, 2012

Re: Standard Permit Registration Number 100477

If you have questions, please contact Mr. Kevin Whitenight at (512) 239-4334. This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman". The signature is fluid and cursive, with a large initial "A" and a long horizontal stroke.

Anne M. Inman, P.E., Manager
Rule Registrations Section
Air Permits Division
Texas Commission on Environmental Quality

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 173421

Standard Permit Maximum Emission Rates Table
Permit Number 100477

The facilities and emissions included in this table have been represented and reviewed as the maximum emissions authorized by this standard permit registration.

MAXIMUM EMISSION RATES TABLE (MERT)															
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NO _x		CO		PM ₁₀		PM _{2.5}		SO ₂		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
SKIDBLR2 / BOILER2		0.48		4.36		4.42		1.21		1.21		3.11			
SKIDBLR3 / BOILER3		0.48		4.36		4.42		1.21		1.21		3.11			
SKIDBLR4 / BOILER4		0.48		4.36		4.42		1.21		1.21		3.11			
SKIDBLR5 / BOILER5		0.48		4.36		4.42		1.21		1.21		3.11			
SKIDBLR6 / BOILER6		0.48		4.36		4.42		1.21		1.21		3.11			
SKIDBLR2 MSS		0.65	0.01	12.11	0.22	51.26	0.92	0.90	0.02	0.90	0.02	3.11	0.06		
SKIDBLR3 MSS		0.65	0.01	12.11	0.22	51.26	0.92	0.90	0.02	0.90	0.02	3.11	0.06		
SKIDBLR4 MSS		0.65	0.01	12.11	0.22	51.26	0.92	0.90	0.02	0.90	0.02	3.11	0.06		
SKIDBLR5 MSS		0.65	0.01	12.11	0.22	51.26	0.92	0.90	0.02	0.90	0.02	3.11	0.06		
SKIDBLR6 MSS		0.65	0.01	12.11	0.22	51.26	0.92	0.90	0.02	0.90	0.02	3.11	0.06		
SKIDBLR2 FUGITIVES		0.18	0.15												
SKIDBLR3 FUGITIVES		0.18	0.15												
SKIDBLR4 FUGITIVES		0.18	0.15												
SKIDBLR5 FUGITIVES		0.18	0.15												
SKIDBLR6 FUGITIVES		0.18	0.15												
Annual Cap			1.92		17.26		17.50		4.79		4.79		12.32		
TOTAL EMISSIONS (TPY):		4.19	2.71	60.53	18.35	256.30	22.11	6.05	4.88	6.05	4.88	15.56	29.14		

- VOC - volatile organic compounds
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- PM₁₀ - particulate matter equal to or less than 10 microns in size
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in size
- SO₂ - sulfur dioxide

**Fugitive emissions are an estimate only and should not be considered as a maximum allowable

Attachment 4

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

September 24, 2014

MR PETER C STYNES
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Re: Boilers Air Quality Standard Permit Revision
(Effective 11/3/2006)
Standard Permit Registration Number: 104928
Standard Permit Renewal Date: September 7, 2022
PHILLIPS 66 COMPANY
Phillips 66 Borger Refinery
Borger, Hutchinson County
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912
Account Number: HW-0018-P

Dear Mr. Stynes:

This is in response to your Form PI-1S (Air Quality Standard Permit for Boilers) regarding the authorization of five temporary boilers at the Borger Refinery, located at State Highway Spur 119 N, Borger, Hutchinson County. We understand that this registration is for emissions associated with the five temporary boilers and associated boiler fugitives.

After evaluation of the information you submitted, the Texas Commission on Environmental Quality (TCEQ) has determined that your proposed emissions are authorized by this standard permit pursuant to Title 30 Texas Administrative Code § 116.602 (30 TAC § 116.602) if constructed and operated as represented in your registration. This standard permit was issued under the Texas Clean Air Act (TCAA) § 382.011, which authorizes the commission to control the quality of the state's air; TCAA § 381.023, which authorizes the commission to issue orders necessary to carry out the policy and purposes of the TCAA; and § 382.05195, which authorizes the commission to issue standard permits. Authorized emissions are listed on the attached table.

You are reminded that 30 TAC § 116.615 requires that any construction or change authorized by this standard permit be administratively incorporated into the affected facilities' permit(s) at the next amendment or renewal.

You are also reminded that these facilities must be in compliance with all rules and regulations of the TCEQ and of the U.S. Environmental Protection Agency at all times.

Mr. Peter C Stynes
Page 2
September 24, 2014

Re: Standard Permit Registration Number 104928

If you need further information or have any questions, please contact Ms. Ruth Alvarez at (512) 239-5220 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

A handwritten signature in black ink that reads "Kate Stinchcomb". The signature is written in a cursive, flowing style.

Kate Stinchcomb, Manager
Combustion / Coatings New Source Review Permits Section
Air Permits Division
Texas Commission on Environmental Quality

cc: Air Section Manager, Region 1 - Amarillo

Project Number: 217282

Standard Permit Maximum Emission Rates Table
Permit Number 104928

The facilities and emissions included in this table have been represented and reviewed as the maximum emissions authorized by this standard permit registration.

Emission Point No.	Source Name	Pollutant	Authorized Emissions	
			lb/hr	tpy
SKIDBLR7	Skid Boiler 7 (1)	NO _x	3.31	-
		NO _x (MSS)	9.20	-
		CO	3.25	-
		CO (MSS)	32.50	-
		VOC	0.37	-
		VOC (MSS)	0.50	-
		PM	0.92	-
		PM ₁₀	0.92	-
		PM _{2.5}	0.92	-
		SO ₂	2.36	-
SKIDBLR8	Skid Boiler 8 (1)	NO _x	3.31	-
		NO _x (MSS)	9.20	-
		CO	3.25	-
		CO (MSS)	32.50	-
		VOC	0.37	-
		VOC (MSS)	0.50	-
		PM	0.92	-
		PM ₁₀	0.92	-
		PM _{2.5}	0.92	-
		SO ₂	2.36	-
SKIDBLR9	Skid Boiler 9 (1)	NO _x	3.31	-
		NO _x (MSS)	9.20	-
		CO	3.25	-
		CO (MSS)	32.50	-
		VOC	0.37	-
		VOC (MSS)	0.50	-
		PM	0.92	-
		PM ₁₀	0.92	-
		PM _{2.5}	0.92	-
		SO ₂	2.36	-

Emission Point No.	Source Name	Pollutant	Authorized Emissions	
			lb/hr	tpy
SKIDBLR10	Skid Boiler 10 (1)	NO _x	2.84	-
		NO _x (MSS)	7.88	-
		CO	2.78	-
		CO (MSS)	27.82	-
		VOC	0.32	-
		VOC (MSS)	0.42	-
		PM	0.79	-
		PM ₁₀	0.79	-
		PM _{2.5}	0.79	-
		SO ₂	2.02	-
SKIDBLR11	Skid Boiler 11 (1)	NO _x	2.84	-
		NO _x (MSS)	7.88	-
		CO	2.78	-
		CO (MSS)	27.82	-
		VOC	0.32	-
		VOC (MSS)	0.42	-
		PM	0.79	-
		PM ₁₀	0.79	-
		PM _{2.5}	0.79	-
		SO ₂	2.02	-
SKIDBLR7, SKIDBLR8, SKIDBLR9, SKIDBLR10, & SKIDBLR11	Annual Cap (2)	NO _x	-	34.49
		CO	-	35.84
		VOC	-	3.75
		PM	-	9.42
		PM ₁₀	-	9.42
		PM _{2.5}	-	9.42
		SO ₂	-	8.99
FUG2	Fugitives for Skid Boilers (3) (Boilers 7, 8, 9, 10, 11)	VOC	0.14	0.19

- NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5} as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
MSS - maintenance, startup, and shutdown

- (1) Planned maintenance, startup and shutdown (MSS) for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (2) Annual Cap includes emissions from normal and MSS operations.
- (3) Fugitive emissions are an estimate only and should not be considered as a maximum allowable

Date: September 24, 2014

EXHIBIT C

Response to Comments

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 25, 2017

MR PETER C STYNES
REFINERY MANAGER
PHILLIPS 66 COMPANY
PO BOX 271
BORGER TX 79008-0271

Re: Notice of Proposed Permit and Executive Director's Response to Public Comment
Renewal
Permit Number: O1440
Phillips 66 Company
Borger Refinery
Borger, Hutchinson County
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912

Dear Mr. Stynes:

The Texas Commission on Environmental Quality (TCEQ) Executive Director's proposed final action is to submit a proposed federal operating permit (FOP) to the U.S. Environmental Protection Agency (EPA) for review. Prior to taking this action, all timely public comments have been considered and are addressed in the enclosed Executive Director's Response to Public Comment (RTC). The RTC also includes resulting modifications to the FOP, if applicable.

As of May 30, 2017 the proposed permit is subject to an EPA review for 45 days, ending on July 14, 2017.

If the EPA does not file an objection to the proposed FOP, or the objection is resolved, the TCEQ will issue the FOP. If you are affected by the decision of the Executive Director (even if you are the applicant) you may petition the EPA within 60 days of the expiration of the EPA's 45-day review period in accordance with Texas Clean Air Act § 382.0563, as codified in the Texas Health and Safety Code and the rules [Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122)] adopted under that act. This paragraph explains the steps to submit a petition to the EPA for further consideration. The petition shall be based only on objections to the permit raised with reasonable specificity during the public comment period, unless you demonstrate that it was impracticable to raise such objections within the public comment period, or the grounds for such objections arose after the public comment period. The EPA may only object to the issuance of any proposed permit which is not in compliance with the applicable requirements or the requirements of 30 TAC Chapter 122. The 60-day public petition period begins on July 15, 2017 and ends on September 12, 2017. Public petitions should be submitted to the TCEQ, the applicant and the EPA. Instructions on submitting a public petition to the EPA are available at the EPA website:

<https://www.epa.gov/title-v-operating-permits/title-v-petitions>

Mr. Peter C Stynes
Page 2
May 25, 2017

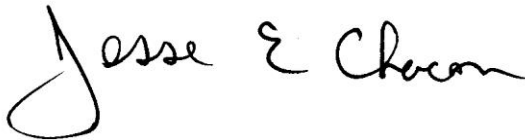
Public petitions should be submitted during the petition period to the TCEQ and the applicant at the following addresses:

Texas Commission on Environmental Quality
Office of Air
Air Permits Division
Operational Support Section, MC-163
P.O. Box 13087
Austin, Texas 78711-3087

Mr. Peter C Stynes
Refinery Manager
Phillips 66 Company
P.O. Box 271
Borger, Texas 79008-0271

Thank you for your cooperation in this matter. If you have questions concerning the processing of this permit application, please contact Mr. Chuck Lowary, P.E. at (512) 239-1263.

Sincerely,



Jesse E. Chacon, P.E., Manager
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality

cc: Ms. Dory Tarver, Environmental Representative, Phillips 66 Company, Borger
Air Section Manager, Region 1 - Amarillo
Air Permit Section Chief, U.S. Environmental Protection Agency, Region 6-Dallas (Electronic copy)

Enclosures: Executive Director's Response to Public Comment
Proposed Permit
Statement of Basis
Modifications Made from the Draft to the Proposed Permit

Project Number: 20016

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 25, 2017

MR GABRIEL CLARK-LEACH
ENVIRONMENTAL INTEGRITY PROJECT
707 RIO GRANDE SUITE 200
AUSTIN, TEXAS 78701

Re: Notice of Proposed Permit and Executive Director's Response to Public Comment
Renewal
Permit Number: O1440
Phillips 66 Company
Borger Refinery
Borger, Hutchinson County
Regulated Entity Number: RN102495884
Customer Reference Number: CN604065912

Dear Mr. Clark-Leach:

The Texas Commission on Environmental Quality (TCEQ) Executive Director's proposed final action is to submit a proposed federal operating permit (FOP) to the U.S. Environmental Protection Agency (EPA) for review. Prior to taking this action, all timely public comments have been considered and are addressed in the enclosed Executive Director's Response to Public Comment (RTC). The RTC also includes resulting modifications to the FOP, if applicable. The proposed permit and statement of basis are available through the TCEQ Web site and can be accessed at <https://webmail.tceq.texas.gov/gw/webpub>.

As of May 30, 2017 the proposed permit is subject to an EPA review for 45 days, ending on July 14, 2017.

If the EPA does not file an objection to the proposed FOP, or the objection is resolved, the TCEQ will issue the FOP. If you are affected by the decision of the Executive Director (even if you are the applicant) you may petition the EPA within 60 days of the expiration of the EPA's 45-day review period in accordance with Texas Clean Air Act § 382.0563, as codified in the Texas Health and Safety Code and the rules [Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122)] adopted under that act. This paragraph explains the steps to submit a petition to the EPA for further consideration. The petition shall be based only on objections to the permit raised with reasonable specificity during the public comment period, unless you demonstrate that it was impracticable to raise such objections within the public comment period, or the grounds for such objections arose after the public comment period. The EPA may only object to the issuance of any proposed permit which is not in compliance with the applicable requirements or the requirements of 30 TAC Chapter 122. . The 60-day public petition period begins on July 15, 2017 and ends on September 12, 2017. Public petitions should be submitted to the TCEQ, the applicant and the EPA. Instructions on submitting a public petition to the EPA are available at the EPA website:

Mr. Gabriel Clark-Leach
Page 2
May 25, 2017

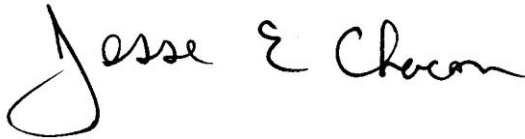
<https://www.epa.gov/title-v-operating-permits/title-v-petitions>

Texas Commission on Environmental Quality
Office of Air
Air Permits Division
Technical Program Support Section, MC-163
P.O. Box 13087
Austin, Texas 78711-3087

Mr. Peter C Stynes
Refinery Manager
Phillips 66 Company
P.O. Box 271
Borger, Texas 79008-0271

Thank you for your cooperation in this matter. If you have questions concerning the processing of this permit application, please contact Mr. Chuck Lowary, P.E. at (512) 239-1263.

Sincerely,

A handwritten signature in black ink that reads "Jesse E Chacon". The signature is written in a cursive style with a large, looped initial "J".

Jesse E. Chacon, P.E., Manager
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality

cc: Ms. Dory Tarver, Environmental Representative, Phillips 66 Company, Borger
Air Section Manager, Region 1 - Amarillo
Air Permit Section Chief, U.S. Environmental Protection Agency, Region 6-Dallas (Electronic copy)

Enclosures: Executive Director's Response to Public Comment
Modifications Made from the Draft to the Proposed Permit

Project Number: 20016

bcc: Mr. Brian Christian, Public Education Program, MC-108, Austin
Work Leader, Final Documents Team, TCEQ Office of the Chief Clerk, MC-105, Austin
Nicolas Parke, TCEQ Environmental Law Division (MC-173), Austin
File Copy

Modifications Made from the Draft to the Proposed Permit

1. The New Source Review Authorization References table in the Draft Permit, and in the Statement of Basis, was modified to add Standard Permit 82659, issued 08/30/2007.
2. The Applicable Requirements Summary Table was revised to replace high-level applicability of 40 CFR Part 63, Subpart DDDDD (as previously represented in the Draft Permit) with more specific citations to applicable subsections, for the following boilers and process heaters:

10H1, 12H1, 19B1-H1, 19B1-H2#2, 19B1-H2#3, 19B2-H4, 19H3, 19H5#1, 19H5#2, 19H6, 22H1, 25H1, 26H1, 28H1, 29H4, 2H1, 2H2, 36H1, 40H1, 42H1, 42H2, 42H3, 4H1, 4H2, 50H1, 50HT1, 50HT2, 50HT3, 51H1, 5H2, 5H3, 6H1, 6H3, 7H1, 7H2, 7H3, 7H4, 81B17, 85B2, 98H1, 9H1, BLR12, SKIDBLR
3. The New Source Review Authorization References by Emissions Unit table in the Draft Permit was modified to add Standard Permits, as follows:
 - a. 41H1, Unit 41 Ref Furnace - 9868A, PSDTX102M7, 90208
 - b. 12E6, Engine - 9868A, PSDTX102M7, 87458
 - c. 29P1, Unit 29 FCCU Stack; and 40P1, Unit 40 FCCU Stack - 9868A, PSDTX102M7, 82659
4. Added more all-inclusive language describing Permit by Rule and Incorporation of PBRs into NSR Permits in the Statement of Basis (SOB).
5. Additional monitoring/testing, recordkeeping and reporting requirements, which are already included in Permit No. 9868A/PSDTX102M7, but which were not explicitly listed in the Major NSR Summary Table, Appendix B of the Draft Permit at page 302, are added, for the following units:
 - a. 29P1, 40P1, 34I1.
6. Additional monitoring/testing, recordkeeping and reporting requirements, which are already included in Permit No. 85872/PSDTX1158M1, but were not explicitly listed in the Major NSR Summary Table, Appendix B of the Draft Permit at pages 305 and 306, are added, for the following units:
 - a. SKIDBLR, 81B17, BLR12, MSSFUG

EXECUTIVE DIRECTOR'S RESPONSE TO PUBLIC COMMENT

The Executive Director (ED) of the Texas Commission on Environmental Quality (the Commission or TCEQ) files this Response to Public Comment (RTC or Response) on the application for a Federal Operating Permit (FOP), Permit No. O1440 (draft permit) filed by Phillips 66 Company (Applicant).

As required by Title 30 Texas Administrative Code (TAC) § 122.345 the ED shall send a notice of the proposed final action, which includes a response to any comments submitted during the comment period, to any person who commented during the public comment period, the applicant, and to EPA. The Office of Chief Clerk (OCC) received a timely comment letter from Mr. Gabriel Clark-Leach on behalf of Environmental Integrity Project and Sierra Club. These comments are included in this Response. If you need more information about this permit application or the permitting process, please call the TCEQ Public Education Program at 1-800-687-4040. General information about the TCEQ can be found at our Web site at www.tceq.texas.gov.

BACKGROUND

Procedural Background

The Texas Operating Permit Program requires that owners and operators of sites subject to 30 TAC Chapter 122 obtain a FOP that contains all applicable requirements in order to facilitate compliance and improve enforcement. The FOP does not authorize construction or modifications to facilities, nor does the FOP authorize emission increases. In order to construct or modify a facility, the facility must have the appropriate new source review (NSR or preconstruction) 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 in order to operate. On August 28, 2013, the Applicant submitted an application to the TCEQ to renew its FOP, which authorizes operation of its Petroleum Refining plant located in Borger, Hutchinson County, Texas. Notice of the renewal was published on October 14, 2015, and the public comment period ended on November 13, 2015. Comments were received from Mr. Gabriel Clark-Leach on behalf of Environmental Integrity Project and Sierra Club.

During the public comment period, the version of the FOP available for review and comment is the Draft Permit. Upon submittal of the notice of proposed final action to the commenter(s), the Applicant, and EPA, the version of the FOP is referenced as the Proposed Permit.

Description of Site

The Applicant applied to the TCEQ for an FOP Renewal that would authorize the Applicant to continue operating the Borger Refinery (refinery or plant). The refinery is located northeast of Borger in Hutchinson County, Texas, on Spur 119 (Phillips Road) one mile from intersection of Spur 245 and Spur 119, in Borger, Hutchinson County, Texas.

The refinery process begins when crude oil and recycle streams are desalted. The treated crude is then separated into components using atmospheric distillation. The lighter materials go to another unit for further fractionation in the Natural Gas Liquid (NGL) side. The remaining liquid undergoes further processing. In the desulfurization process, hydrogen reacts over catalyst with sulfur bound in organic molecules to produce H₂S. H₂S containing streams from other refinery and NGL processes are treated at the individual units or in the amine treater, with the purified H₂S going to a unit for sulfur recovery. The hydrodesulfurization (HDS) units treat refinery streams with hydrogen from the reformer to remove sulfur. Products from this process are used as NGL feed, fractionated at another unit, or blended into final products (furnace oil, jet fuels, stove oil, kerosene, dual purpose fuel oil, etc.)

Heavier streams from the crude units and desulfurization units go to the catalytic cracking units, where long chain hydrocarbons are “cracked” into smaller molecules, which are subsequently fractionated and sent for further processing or product storage.

NGL products are fuel gas for complex use, petrochemicals, solvents, and blend stocks for liquid fuels. Front end fractionation splits the various feed streams by molecular weight. The products of this fractionation process go to the pentane fractionation/isom processes, to a HDS unit, or to the refinery. The pentane processes are designed to maximize the yield of isopentane, which is used mostly as a high-octane blend stock.

All comments received by TCEQ are listed below in their original, unedited format. An in-line comment-response format is used in this document. This format assigns a number to each actual comment received followed by a corresponding TCEQ response.

COMMENT 1: Phillips 66 May Not Use Texas’s Minor Source Flexible Permit Program to Authorize Facilities at the Borger Refinery

The Clean Air Act “distinguishes between major and minor pollution sources based on a threshold amount of pollution; major sources are subject to much more stringent regulations.” *Environmental Integrity Project v. EPA*, 2015 WL 4399482 (5th Cir. 2015) (“*Flex I*”). Texas’s flexible permit program is a federally-approved program for minor sources that creates an allowables-based exemption to the State’s preconstruction approval process for modifications. *See*, 30 Tex. Admin. Code §§ 116.721 (changes to a source increasing emissions only require an amendment if increases are significant); 116.718 (flexible permit emissions increases below current allowables are insignificant); 116.10(9)(E) (physical and operational changes within the scope of a flexible permit are not modifications that require a permit amendment). While this exemption may not threaten the integrity of Texas’s major source permitting programs if it is only available to minor sources, it undermines the enforceability of major source requirements if it is made available to major sources. Accordingly, as Texas argued to the 5th Circuit Court of Appeals and as the Court subsequently held, Texas may not issue flexible permits to major sources and emission caps in flexible permits must remain below the applicable major source threshold. *Flex II* at *1 (holding that major sources may not use flexible permits, that such sources are regulated under Texas’s more stringent Major NSR rules, and that emission caps in federally-approved flexible permits must remain below the major source threshold); *see also*, Brief of Intervenor, State of Texas, In Support of Respondent Environmental Protection Agency, 2015 WL 1156712 at *7 (“[M]inor new source review . . . pertains to the construction of new *minor sources* and to *minor modifications* of minor sources. A minor source is any source that is not a major source”) and *16 (“Texas’s Flexible Permit Program is a state *minor* new source review program”) (emphasis in original); Petition for Review, *State of Texas v. EPA* (“*Flex I*”) (July 23, 2010) (“The FPP is a voluntary authorization mechanism for *Minor NSR sources* designed to enhance control of emissions while allowing for greater operational flexibility”) (emphasis added).

Phillips 66 may not use Texas’s federally-approved flexible permit program rules to authorize construction of or modification to facilities at the Borger Refinery, because the refinery is a major source of air pollution. The Draft Permit fails to assure compliance with the limits of Texas’s federally approved *minor source* flexible program and the State’s federally-approved rules for major sources, because it incorporates by reference a state-only major source flexible permit, Permit No. 9868A (which establishes emission caps much higher than applicable major source threshold) as a federally-enforceable authorization and indicates that Texas’s flexible permit program rules at 30 Texas Administrative Code, Chapter 116, Subchapter G are available to Phillips 66 to authorize construction at the Borger Refinery. Draft Permit, Special Conditions 17, 21, and New Source Review Authorization References Table.

Because Phillips 66's flexible permit is a state-only authorization and because the flexible permit program is not a proper means for authorizing major sources like the Borger Refinery, EPA required Phillips 66 to submit an application to the TCEQ to convert its flexible permit into a federally-approved Subchapter B major source permit. *See*, Amendment Application to Restructure Permit 9868A Under 30 TAC Chapter 116, Subchapter B, submitted by Phillips 66 on May 24, 2012. According to the TCEQ's website, that application has been on "management delay" for over three years. To assure compliance with federally-enforceable major NSR requirements, the Executive Director must revise the Draft Permit to indicate that Flexible Permit No. 9868A is a state-only authorization and act on Phillips 66's de-flex amendment application without further delay.

Even if the Executive Director disagrees that flexible permits may only be issued to minor sources, he must still revise the Draft Permit to make it clear that Phillips 66's flexible permit is a state-only authorization that does not entitle Phillips 66 to use Texas's federally-approved flexible permit alteration rules. Phillips 66's flexible permit is a state-only permit, because it was issued prior to EPA's program approval under program rules that differ in important respects from the rules approved by EPA. *Approval and Promulgation of Implementation Plans; Texas; Flexible Permit Program*, 79 Fed. Reg. 40,666, 40,667-68 (July 14, 2014) (strongly rejecting suggestion that program approval transforms pre-approval state-only permits into federally approved permits, because such permits were issued under different program rules); 40 C.F.R. § 51.105 ("Revisions of a plan, or any portion thereof, will not be considered part of an applicable plan until such revisions have been approved by the Administrator in accordance with this part").

Requested Revision to the Title V Permit:

To assure compliance with Texas's federally-approved preconstruction permitting rules for major and minor sources, the Executive Director must revise the Draft Permit to indicate the Phillips 66's flexible permit is a state-only permit and that Phillips 66 may not use Texas's flexible permit program alteration rules to authorize changes to the Borger Refinery.

- If the Executive Director contends that Phillips 66's flexible permit is a federal permit, Commenters ask that he identify the basis of his authority to issue major source flexible permits establishing emission caps that exceed the applicable major source threshold;
- If the Executive Director contends that Texas's flexible permit rules allow him to issue flexible permits for major sources, Commenters ask that he explain why that reading of the rules is not foreclosed by the State's own pleadings and briefing and the Fifth Circuit Court of Appeal's decisions in *Flex I* and *Flex II*;
- If the Executive Director contends that Texas's flexible permit rules allow him to establish flexible permit caps that exceed the applicable major source threshold, Commenters ask that he explain why that reading of the rules is not foreclosed by the Fifth Circuit Court of Appeals decision in *Flex II*; and
- Commenters request that the Executive Director identify the basis for his authority to place Phillips 66's de-flex application on management delay for over three years and that he explain whether and when he intends to take action on that application;
- If the Executive Director contends that he is not obliged to expeditiously take final action to approve or deny Phillips 66's deflex application, Commenters ask that he provide the basis for that contention.

RESPONSE 1: The ED recognizes the flexible permit rules, located in 30 TAC Chapter 116, Subchapter G, and submitted to EPA in 1994, were not an approved part of the Texas SIP at the time the Applicant's (then Conoco Phillips) initial flexible permit and subsequent de-flex application were submitted. However, Texas challenged EPA's disapproval of these rules and the United States Court of Appeals for the Fifth Circuit vacated EPA's disapproval of the Texas flexible permitting program. Subsequently, Texas made certain clarifying rule changes, and currently the Flex Permit rules in 30 TAC Chapter 116, Subchapter G, are fully SIP-approved by EPA (see 80 FR 42727, July 20, 2015). Additionally, the Texas FOP program is EPA-approved. TCEQ reviews applications and issues FOPs according to EPA-approved program rules found in 30 TAC Chapter 122.

The Texas FOP 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 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 preconstruction authorization, flexible permits are applicable requirements and shall be included in applications and Texas-issued FOPs, in compliance with Texas' approved program.

On August 24, 2015, the Applicant submitted an application for conversion of flexible permit No. 9868A into a SIP-approved permit issued under 30 Tex. Admin. Code Chapter 116, Subchapter G (NSR project 240881). The ED also notes that 30 TAC § 101.3 prohibits the use of any mechanism to circumvent regulations or the Clean Air Act, which includes major NSR permitting requirements. Therefore, the flexible permit authorization mechanism may not be used to circumvent major NSR permitting requirements. This is reinforced by the Fifth Circuit Court of Appeal's *Flex II* decision which states:

All of the petitioners' arguments rest on the assumption that the SIP will somehow allow flexible permit holders to bypass Major NSR when making major modifications to existing constructions. Our 2012 opinion forecloses that assumption. As we explained, the flexible permit plan by definition covers only Minor NSR and affirmatively requires compliance with any applicable Major NSR. If, as the petitioners argue, some flexible permit holders attempt to evade Major NSR, they will be doing so not in accordance with the SIP but in violation of it. *Envtl. Integrity Project et al. v. U.S. Env'tl. Protection Agency*, No. 14-60649, 2015 WL 4399482, *3 (5th Cir. July 20, 2015)(per curiam).

The Court's *Flex I* decision further states, "...because the Texas permitting scheme affirmatively requires compliance with 'Non-attainment review' and 'PSD'—the components of Major NSR— it does not, on its face, allow major sources to evade Major NSR." *Texas v. U.S. Env'tl. Protection Agency*, 690 F.3d 670, 678 (5th Cir. 2012).

COMMENT 2: Monitoring

Title V permits must include monitoring requirements that assure compliance with the permit terms and conditions. 42 U.S.C. §§ 7661c(a) and (c); 40 C.F.R. § 70.6(a)(3)(i)(A)-(B) and (c)(1); 70.7(a)(5). To comply with this mandate, permitting authorities must take four steps:

- (1) Permitting authorities must ensure that monitoring requirements contained in applicable requirements are properly incorporated into the

Title V permit;

- (2) If the applicable requirements contain no periodic monitoring, permitting authorities must add periodic monitoring sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the permit;
- (3) If there is some periodic monitoring in the applicable requirement, but that monitoring is not sufficient to assure compliance with the permit terms and conditions, permitting authorities must supplement monitoring to assure such compliance; and
- (4) Permitting agencies must clearly document the rationale for the monitoring requirements they select in the permit record.

In the Matter of United States Steel Corp.—Granite City Works, Order on Petition No. V-2009-03 (January 31, 2011) (“Granite City I Order”) at 7-8; *In the Matter of Shell Chemical LP and Shell Oil Co.*, Order on Petition Nos. VI-2014-04 and VI-2014-05 (September, 24, 2015) (“Deer Park Order”) at 18.

The Draft Permit is deficient, as explained below, because it does not properly incorporate applicable monitoring requirements, it fails to establish periodic monitoring requirements for applicable requirements that do not include monitoring, it fails to supplement insufficient monitoring requirements in applicable requirements, and the permit record fails to provide a clear rationale for the monitoring requirements selected.

1. Monitoring Conditions Incorporated into the Draft Permit Fail to Assure Compliance with Applicable Requirements in Phillips 66's NSR Permits

a. PBR Monitoring

Title V permits must specify monitoring methods that assure compliance with each applicable requirement. . 42 U.S.C. § 7661c(c); *In the Matter of Wheelabrator Baltimore, L.P.*, Permit No. 24-510-01886 (April 14, 2010) at 10. Emission limits, terms, and conditions of claimed PBRs are applicable requirements. 30 Tex. Admin. Code § 122.10(2)(H). The Draft Permit is deficient because it fails to specify monitoring methods that assure compliance with applicable PBR requirements.

The Draft Permit incorporates by reference the following PBRs as applicable requirements: 106.261, 106.262, 106.263, 106.371, 106.472, 106.511, 106.512, 106.532, and 106.533. Draft Permit at 239.

Facilities authorized by these PBRs must comply with general PBR requirements listed at 30 Tex. Admin. Code § 106.4 as well as any requirements listed in the specific claimed PBRs. Draft Permit, Special Conditions 17 and 18. Requirements listed at § 106.4 include emission limits for facilities authorized by PBR, *Id.* at § 106.4(a)(1), as well as a prohibition on the use of PBRs to authorize construction of a new major source or a major modification of an existing source. *Id.* at §§ 106.4(a)(2) and (3). Because the NO_x, CO, H₂SO₄, H₂S, and TRS emissions limits established by 30 Tex. Admin. Code § 106.4(a)(1) exceed the netting trigger to determine major NSR applicability for modifications in attainment areas, and because PBRs can be used to authorize increases of other pollutants at multiple facilities at levels that exceed applicable netting thresholds, projects authorized by PBR may trigger netting requirements listed at 30 Tex. Admin. Code § 116.160(b).

The emission limits established by 30 Tex. Admin. Code § 106(a)(1), the prohibition on

emissions increases that trigger PSD requirements at § 106(a)(2) and (3), and the requirement to conduct netting to determine major NSR applicability for PBR increases that exceed netting thresholds are all applicable requirements and the Draft Permit must specify monitoring methods that assure compliance with them.

In addition to these general PBR requirements, the following emission limits and standards contained in the specific PBRs claimed by Phillips 66 are applicable requirements of the Draft Permit:

PBRs 106.261 and 106.262 claimed by Phillips 66 establish hourly and annual emission limits for various contaminants, *Id.* at §§ 106.261(a)(2) and (3); 106.262(a)(2) and prohibit visible emissions exceeding five percent. *Id.* at §§ 106.261(a)(5); 106.262(a)(5). Additionally, 106.262(a)(4) limits the amount of certain chemicals that may be stored on property.

PBR 106.263, which applies to routine maintenance, start-up, and shutdown of facilities and temporary facilities establishes daily emission limits, *Id.* at § 106.263(d)(1), requires a case-by-case permit for activities that exceed these limits, *Id.* at § 106.263(d)(2), incorporates by reference emission limits and conditions established by various other PBRs for specific source categories, *Id.* at § 106.263(e)(1)-(5), requires a case-by-case permit for activities that exceed these limits, *Id.* at § 106.263(e)(6), and incorporates emission limits listed in 106.4(a)(1)-(3) in any rolling 12-month period. *Id.* at § 106.263(f).

PBR 106.511, which applies to portable and emergency engines and turbines, limits the maximum operation of such units authorized by PBR to ten percent of the normal annual operating schedule of the primary equipment.

PBR 106.512, which applies to stationary engines and turbines, requires operators to register emissions from engines and turbines rated 240 horsepower or greater, *Id.* at § 106.512(1), establishes emission limits and operating requirements for engines and turbines 500 horsepower or greater, *Id.* at §§ 106.521(2) and (3), and limits the kinds and pollutant content of fuel used to power facilities authorized by the PBR. *Id.* at § 106.512(5).

Though the Draft Permit and Texas's Chapter 106 rules require Phillips 66 to maintain records demonstrating compliance with applicable PBR requirements, *Id.* at §§ 106.8(c) and 106.263(g); Draft Permit, Special Condition 19, the Draft Permit is deficient because it does not specify the monitoring methods Phillips 66 must use to determine compliance with each applicable PBR requirement. Instead, the Draft Permit outsources the TCEQ's obligation to specify the monitoring method(s) that will assure compliance with each applicable requirement to Phillips 66. Draft Permit, Special Condition 19 (establishing non-exhaustive list of data Phillips 66 may consider, at its discretion, to determine compliance with PBR requirements). This outsourcing renders the Draft Permit deficient for three reasons: First, the Draft Permit is deficient because it fails to specify monitoring requirements for each applicable requirement. Second, the Draft Permit is deficient, because the permitting record does not explain how the Draft Permit assures compliance with PBR requirements. Finally, the Draft Permit is deficient, because the Executive Director's failure to specify monitoring methods for applicable PBR requirements and to identify the monitoring methods Phillips 66 has selected prevented the public from evaluating whether Title V monitoring requirements have been met. *See In the Matter of United States Steel—Granite City Works*, Order on Petition No. V-2011-2 (December 3, 2012) ("Granite City II Order) at 9-12 (granting petition for objection, because the "permit fails to specify the monitoring methodology and also fails to provide a mechanism for review of the methodology by EPA, the public, and EPA after the permit is issued. It is impossible to know whether the periodic monitoring chosen by the source assures compliance with the permit terms and conditions as required by 40 C.F.R. §§ 70.1(b) and 70.6(c)(1) because that monitoring has not been determined yet."). For example, Commenters would likely review and/or challenge PBR monitoring relying upon undefined "engineering calculations" to determine compliance

without more information about how those calculations were to be made and evidence that operational conditions presumed by the calculations are consistent with actual conditions at the Borger Refinery.

The Draft Permit’s Special Condition 19 recordkeeping requirement is deficient for an additional reason: It fails to require permit records demonstrating compliance to be made available to the public, as required by Texas’s Title V program. Deer Park Order at 15 (“[T]he permit records for demonstrating compliance with PBRs must be available to the public as required under the approved Texas title V program”).

Requested Revision to the Title V Permit

To assure compliance with incorporated PBR requirements, the Executive Director should revise the Draft Permit to specify the monitoring method(s) that assure compliance with each applicable PBR requirement, and provide a reasoned basis for his determination that such methods assure compliance. The Executive Director must also revise the Draft Permit to require any records used to demonstrate compliance with PBR requirements be made available to the public on request. After these revisions are made, the Executive Director must re-notice the Draft Permit and allow the public an opportunity to comment on the monitoring methods for PBR requirements.

b. The Draft Permit Fails to Identify Monitoring, Recordkeeping, and Reporting Requirements that Assure Compliance with Phillips 66’s Case-by-Case NSR Permits

(i) Flexible Permit No 9868A

If the Executive Director determines that Phillips 66’s major source flexible permit is a federally-approved permit that must be included in the Draft Permit, he must still revise the Draft Permit to include monitoring, recordkeeping, and reporting requirements that assure compliance with the permit’s emission limits and Texas’s flexible permit program rules.

(a) The Flexible Permit Fails to Specify Monitoring Requirements for Various Facilities

According to the Draft Permit’s Major NSR Summary Table, Permit No.9868A/PSDTX102M7 does not contain any monitoring, testing, recordkeeping, or reporting requirements that assure compliance with the following hourly and annual emission limits:

EPN	Source Name	Pollutant	lbs/hr	TPY
29P1	Unit 29 FCCU Stack	NH ₃	9.75	42.71
		HCl	.45	1.96
40P1	Unit 40 FCCU Stack	NH ₃	9.75	42.71
		HCL	.22	.98
34I1	SRU TGI	PM10	.03	.13
F-56-1-4-A(2&5)	West DAF	NH ₃	.24	1.06
		H ₂ S	1.81	7.91
F-56-1-12	Flash Mixing	NH ₃	.01	.01
		H ₂ S	.01	.06
F-56-1-17	Flocculation	NH ₃	.01	.03
		H ₂ S	.05	.24

Draft Permit at 261-264.

Because the Draft Permit indicates that there are no requirements to assure compliance with these limits, it fails to assure compliance with applicable requirements.

(b) The Flexible Permit Fails to Specify Methods for Calculating Actual Emissions and Demonstrating Compliance with Annual and Short-Term Flexible Permit Emission Caps

Flexible permits must specify methods for calculating annual and short term emissions from each type of facility covered by an emission cap to assure compliance:

Each flexible permit shall specify requirements for monitoring or demonstrating compliance with emission caps and individual emission limits in the flexible permit.

Each flexible permit shall specify methods for calculating annual and short term emissions for each pollutant for a given type of facility.

30 Tex. Admin. Code §§ 116.715(c)(5)(A) and (B).

Phillips 66's state-only major source flexible permit does not include such provisions and fails to assure compliance with its emission caps. While the flexible permit does require Phillips 66 to monitor various operating parameters for facilities it authorizes, the flexible permit does not—as Texas's federally-approved rules require—directly specify how emissions from each type of unit are to be calculated or how compliance with applicable emissions caps is to be demonstrated. Instead, the permit requires Phillips 66 to develop recordkeeping programs outside the permitting context:

Recordkeeping programs for those facilities authorized by the flexible permit shall be established and maintained such that the ability to demonstrate compliance with all authorized caps (short-term and annual) are ensured. Records of all compliance testing, CEM results, and process parameters necessary to demonstrate compliance with the emission rate caps shall be maintained on-site for a period of three years.

Permit No. 9868A, Special Condition 57.

Because these recordkeeping programs are applicable requirements and are necessary to assure compliance with Phillips 66's emission caps and Texas's flexible permit program rules, they must be identified in Phillips 66's application, included in the Draft Permit, and available for review during the public comment period. The recordkeeping programs, however, are not mentioned in the Draft Permit, the Statement of Basis, and are not described in Phillips 66's application. Accordingly, the Draft Permit is incomplete and fails to assure compliance with Texas's flexible permit program rules and emission caps in Phillips 66's flexible permit. 40 C.F.R. § 70.6(c)(1). The Executive Director must require Phillips 66 to submit a complete application with the recordkeeping programs, attach the recordkeeping programs to the Draft Permit, and then re-notice the Draft Permit to allow members of the public an opportunity to review and comment on the recordkeeping programs. *Id.* at §§ 70.5(c); 70.7(h)(2); In the Matter of WE—Oak Creek Power Plant, Order on Petition to Object to Permit No 241007690-P10 (June 12, 2009) at 25-26. If Phillips 66 has not established the recordkeeping programs required by Special Condition 57, the Executive Director must establish monitoring and recordkeeping requirements that assure compliance with the flexible permit emission caps. Additionally, the Executive Director must revise the Statement of Basis to explain why the compliance options added to the Draft Permit are sufficient to assure compliance with applicable requirements.

Requested Revision to the Title V Permit:

To assure compliance with flexible permit emission caps and Texas's flexible permit program rules, the Executive Director must revise the Draft Permit to specify the monitoring method(s) Phillips 66 must use to demonstrate compliance with flexible permit requirements and the methods Phillips 66 must use to calculate short and long term emissions from each type of facility covered by the flexible permit. Additionally, the Executive Director must revise the Statement of Basis to explain how the revised Draft Permit assures compliance with applicable requirements. After these revisions are made, the Executive Director must re-notice the Draft Permit to give members of the public an opportunity to review these revisions.

(ii) Permit No. 85872/PSDTX1158M1

(a) Special Condition 20 Fails to Assure Compliance with VOC Limits

The Draft Permit's Major NSR Summary Table indicates that the following VOC emission limits in PSD Permit No. 85872/PSDTX1158M1 are not subject to any monitoring, testing, or reporting requirements:

EPN	Source Name	lbs/hr	TPY
SKIDBLR	Skid Boiler	1.97	8.61
81B17	Boiler 2.4 Pre-Mod	2.49	3.35
	Boiler 2.4 Post-Mod	2.49	10.92
BLR12	Boiler 12	3.02	13.23
MSSFUG	Planned Maintenance Activities	14.58	.55

Draft Permit at 265-266.

According to the Draft Permit, the only condition of Permit No. 85872/PSDTX1158M1 that assures compliance with these limits is the recordkeeping requirement at Special Condition 20. *Id.* Special Condition 20 requires Phillips 66 to maintain records based on testing, CEMs data, and various other monitoring method required by the permit. Special Condition 20, however, cannot assure compliance with the above-listed VOC limits, because it does not reference or identify *any* VOC monitoring requirements that apply to the relevant facilities. Because the Draft Permit indicates that there are no monitoring, testing, or reporting requirements that assure compliance with these limits, and because the recordkeeping provision identified by the Draft Permit does not actually address VOC emissions from facilities subject to the limits, the Draft Permit fails to assure compliance with applicable requirements.

Even if Special Condition 20 did incorporate specific VOC monitoring and emission calculation requirements sufficient to determine compliance with the limits, the Draft Permit is still deficient, because it fails to make compliance records publicly available. To assure compliance with applicable requirements, the Clean Air Act and Texas's Title V program require that documents used to demonstrate compliance with applicable requirements be made publicly available. Deer Park Order at 15.

(b) Permit No. 85872/PSDTX1158M1 Fails to Assure Compliance with Particulate Matter Emission Limits

The Draft Permit's Major NSR Summary Table lists the following PM/PM₁₀/PM_{2.5} limits and compliance assurance special conditions for combustion sources authorized by Permit No.

85872/PSDTX1158M1:

EPN	Source Name	lbs/hr	TPY	Monitoring and Testing	Recordkeeping
SKIDBLR	Skid Boiler	2.72	11.90	3, 11	3, 10, 11, 20
81b17	Boiler 2.4 Pre-Mod	3.44	4.63	3, 11	3, 11, 20
81b17	Boiler 2.4 Post-Mod	3.44	15.09	3,11	3, 11, 20
BLR12	Boiler 12	4.17	18.28	3, 11	3, 10, 11, 20

Draft Permit at 265-266.

The Major NSR Summary Table indicates that there are no applicable reporting requirements for these limits. *Id.* As explained below, the referenced monitoring, testing, and recordkeeping requirements are not sufficient to assure compliance with the applicable hourly and annual limits.

Permit No. 85872/PSDTX1158M1, Special Condition 3 requires Phillips 66 to conduct weekly visible emissions observations to be conducted at each of its boiler stacks to assure that opacity remains below 5 percent averaged over a six minute period during normal operations and below 15 percent averaged over a six minute period during MSS operations. Neither the Draft Permit, nor the Statement of Basis, nor the permit application demonstrate a reliable correlation between observed opacity levels and PM emission rates over any averaging period or specify an indicator range consistent with compliance with the PM limits. These documents are also silent regarding the Executive Director's basis for determining that weekly opacity monitoring is sufficient to assure ongoing compliance with hourly and annual permit limits.

Permit No. 85872/PSDTX1158M1, Special Condition 11 requires Phillips 66 to “comply with applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants . . . for Source Categories, 40 CFR Part 63[,] . . . Subpart A: General Provisions[, and] . . . Subpart DDDDD: National Emission Standards for HAPs for Industry, Commercial, and Institutional Boilers and Process Heaters.” However, neither Permit No. 85872/PSDTX1158M1 nor the Draft Permit indicates which Part 63, Subpart DDDDD requirements apply to boilers at the Borger Refinery. *See, e.g.*, Draft Permit at 198 (stating that Phillips 66 Skid Boiler must comply with “applicable” Subpart DDDDD requirements without identifying which requirements apply). Indeed, the Draft Permit only lists Subpart DDDDD as applying to one of the three above-listed boilers. *Id.* Even if Subpart DDDDD applies to all of these facilities, it is unclear to Commenters whether any of the Subpart DDDDD PM monitoring, recordkeeping, or reporting requirements actually apply to these facilities. This is so, because Subpart DDDDD imposes different limits and conditions on different categories of facilities, and combustion units at the Borger Refinery may not be subject to any PM limits or monitoring requirements under the rules. Furthermore, where Subpart DDDDD does establish PM limits and monitoring requirements, these provisions only cover *filterable* PM, while Phillips 66’s permit limits regulate emissions of *total* PM (filterable and condensable). Finally, many Subpart DDDDD PM limits and monitoring requirements exempt emissions during maintenance activities, while Permit No. 85872/PSDTX1158M1 annual emission limits apply at all times. Permit No. 85872/PSDTX1158M1, MAERT n4 (“Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates include emission from MSS”).

Thus, Permit No. 85872/PSDTX1158M1, Special Condition 11 cannot assure ongoing compliance with the permit’s total PM limits, because the Draft Permit does not indicate which Subpart DDDDD provisions apply to Phillips 66’s boilers, the applicable Subpart provisions may not require compliance with any PM requirements, potentially applicable PM

requirements only apply to filterable emissions, and may not apply during MSS activities.

Permit No. 85872/PSDTX1158M1, Special Condition 10, which establishes recordkeeping requirements for Phillips 66's Skid Boiler and Boiler 12 provides that these two facilities must comply with applicable requirements in EPA's New Source Performance Standards for Industrial-Commercial-Institutional Steam Generating Units (Subpart Db) and Petroleum Refineries constructed, reconstructed, or modified after May 14, 2007 (Subpart Ja). This special condition fails to assure compliance with applicable PM limits, because it is unclear which specific NSPS Ja and Db requirements actually apply to each of these facilities, the potentially applicable NSPS requirements apply only to filterable PM, and the rules contain exemptions for excess emissions during maintenance and malfunction events, while Phillips 66's permit limits regulate total PM emissions and apply at all times. Additionally, the Executive Director failed to explain how the recordkeeping requirement at Special Condition 10 assures compliance with applicable PM limits.

As explained above, Permit No. 85872/PSDTX1158M1, Special Condition 20 requires Phillips 66 to maintain records based on testing, CEMs data, and various other monitoring methods required by the permit. While this special condition requires Phillips 66 to maintain complete copies of stack tests conducted on Phillips 66's boilers, it fails to assure compliance with the PM limits, because the permit's stack test provision (Special Condition 13) does not require Phillips 66 to test for PM emissions and Special Condition 20 does not explain how Phillips 66 must use data in its records to determine compliance with the applicable PM limits.

Requested Revision to the Title V Permit:

The Executive Director must revise the Draft Permit to identify monitoring, recordkeeping, and reporting requirements that assure compliance with all emission limits in Permit No. 85872/PSDTX1158M1. If the permit does not establish such conditions for all applicable limits, the Executive Director must add requirements to the Draft Permit that assure compliance with the limits. Additionally, the Executive Director should revise the Draft Permit to provide that records used to demonstrate compliance with applicable requirements must be made publicly available. The Executive Director must also revise the Statement of Basis to explain how the monitoring, recordkeeping, and reporting requirements listed in the revised Draft Permit assure compliance with applicable requirements.

(iii). Permit No. 80799

Permit No. 80799 authorizes planned MSS activities at various facilities at the Borger Refinery, including facilities previously-authorized by and subject to emission limits in Phillips 66's PSD and flexible permits. See Attachment 1, Permit No. 80799, Special Condition 2 and Attachment D. According to Permit No. 80799, "[a]ll permanent facilities must comply with all operating requirements, limits, and representations in other NSR permits during startup and shutdown unless alternate requirements for emissions from routine emission points are identified below." *Id.* at Special Condition 12. Permit No. 80799 does not identify alternative hourly and annual emission limits for facilities authorized by Phillips 66's flexible and PSD permits. Accordingly, to assure compliance with short and long-term limits in Phillips 66's NSR permits, the Draft Permit must specify monitoring methods for MSS activities at permanent facilities that assure compliance with those limits. For facilities authorized by Phillips 66's flexible permit, the Draft Permit must also specify methods for calculating annual and short term emissions for each pollutant for each type of facility where MSS activities area authorized. 30 Tex. Admin. Code § 116.715(c)(5)(B). The Draft Permit fails to assure compliance with applicable requirements, because it does not specify monitoring methods and calculation methods for MSS activities for many covered facilities.

For example, Permit No. 80799, Special Condition 2 states that emissions from the following “Routine Maintenance Activities”: valve and piping maintenance/replacement, pipeline pigging, compressor maintenance, maintenance on pumps, and heat exchanger maintenance “shall be calculated using the number of work orders or equivalent that month and the emissions associated with that activity identified in the permit application.” For other MSS activities, Permit No. 80799 states “the emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice.” This Special Condition fails to assure compliance with hourly and annual emission limits in Phillips 66’s permits authorizing facilities affected by Permit No. 80799, because it does not identify the methods Phillips 66 must use to calculate MSS emissions, does not identify the application(s) that contains the relevant information, does not describe how this information should be applied to determine actual emissions, and because the Executive Director has not explained how emission calculation methods described in Phillips 66’s application(s) assure compliance with the applicable limits. Granite City I Order at 43.

Requested Revision to the Title V Permit:

The Executive Director must revise the Draft Permit to identify monitoring, recordkeeping, and reporting requirements to assure that MSS emissions authorized by Permit No. 80799 will be accurately accounted for when Phillips 66 determines compliance with emission limits in that permit as well as other permits that authorize facilities listed in Permit No. 80799. If the permit does not establish such conditions for all applicable limits, the Executive Director must add requirements to the Draft Permit that assure compliance with the limits. Additionally, the Executive Director should revise the Draft Permit to provide that records used to demonstrate compliance with applicable requirements must be made publicly available. The Executive Director must also revise the Statement of Basis to explain how the monitoring, recordkeeping, and reporting requirements listed in the revised Draft Permit assure compliance with applicable requirements.

RESPONSE 2.1.a.: The ED disagrees that the draft permit does not provide adequate monitoring requirements to assure compliance with applicable requirements. Consistent with 40 CFR Part 70 and 30 TAC Chapter 122, the Draft Permit O1440 includes: (1) monitoring sufficient to yield reliable data from the relevant time period that is representative of compliance with the permit; and (2) monitoring sufficient to assure compliance with the terms and conditions of the permit.

Each applicable requirement is reviewed to determine whether monitoring, recordkeeping, reporting, and testing (MRRT) are sufficient to assure compliance with that standard or requirement. Applicable requirements undergo this review when the requirement changes to ensure consistent application of MRRT sufficient to assure compliance for all permits that contain the applicable requirement. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the draft permit includes such monitoring for the emission units affected. Additional periodic monitoring was identified for emission units after a review of applicable requirements indicated that additional monitoring was required to assure compliance. Compliance Assurance Monitoring (CAM) was identified by the Applicant for emission units meeting the CAM applicability criteria of 40 CFR Part 64. In the case where additional monitoring has been determined necessary, this monitoring is included in the Additional Monitoring Summary attachment (pages 202-210) of the draft permit and the rationale for such monitoring is included in the Statement of Basis document. Therefore, the ED has determined that the monitoring required by this permit demonstrates compliance with the applicable state and federal requirements.

The ED also disagrees that the draft permit is deficient because it fails to require permit records demonstrating compliance to be made available to the public. As required in the Draft Permit’s General Terms and Conditions, the Applicant must maintain a copy of the permit along with records containing the information and data (gathered through monitoring) sufficient to demonstrate compliance with the permit including PBRs, Standard Exemptions,

and Standard Permits. The annual compliance certification, required by 30 TAC § 122.146, provides the vehicle for certifying compliance with all FOP applicable requirements, including the requirements of all underlying NSR authorizations, which encompasses permits by rule (PBR), Standard Permits, and Case-by-Case NSR permits (to include Title I permits). The annual compliance certification is demonstrated by means of the Permit Compliance Certification (PCC) Form (TCEQ 10490). The form is used to certify the permit holder was in compliance with the requirements of the operating permit and to indicate if any indications of non-compliance, or deviations, had occurred during the certification period. Only in the cases where a deviation occurred would an emission unit be identified, with the applicable requirement deviated from, the monitoring, or recordkeeping method required to assess compliance, frequency of sampling, monitoring, or recordkeeping required, etc., per § 122.146(5). The annual PCCs are available for public viewing at either the affected TCEQ Regional Office (Air Section), or the TCEQ Central File Room (TCEQ Main Campus, Bldg. E, Room 103). Non-confidential portions can also be provided in response to a public information request.

PBRs - The ED also further clarifies the use of PBRs as follows:

The refinery contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The New Source Review Authorization References table specifies the PBRs that apply to the refinery. All current PBRs are contained in Chapter 106. Outdated 30 TAC Chapter 106 PBRs may be viewed at the following Web site:
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:
www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

TCEQ regulates facilities that release air contaminants, even in small amounts, under its air permit rules. Facilities with emissions that do not meet de minimis criteria but will not make a significant contribution of air contaminants to the atmosphere may be permitted by rule. All PBRs are adopted by the commission in accordance with Texas Administrative Procedure Act rulemaking requirements and are found in 30 TAC Chapter 106. Facilities authorized by PBR must be constructed and operated with certain restrictions.

A PBR may be utilized as an authorization mechanism when both the following conditions are met:

1. The facility meets all applicable requirements of 30 TAC § 106.4. These requirements limit the amount of annual emissions to less than federal permit major source levels, and require compliance with all state and federal regulations; and
2. The facility meets all applicable conditions of one or more individual PBRs contained in 30 TAC Chapter 106. These requirements may specify design requirements for certain facilities, production or material use limits, and operational restrictions.

Certain PBRs require registration with TCEQ. Some PBRs do not require registration and can simply be claimed. Unregistered PBRs will not appear in TCEQ's NSR database; however, PBR holders must keep sufficient records to demonstrate compliance with the annual emissions limits specified in 30 TAC § 106 and maintain sufficient records to demonstrate compliance with the emission limits and specific conditions of all registered and unregistered PBRs. In addition, registered and unregistered PBRs must be included in the FOP.

PBR holders may certify emissions in a PBR registration to establish federally enforceable emission limits below the emission limits of 30 TAC § 106.4, which establishes limits for production and planned maintenance, startup, and shutdown (MSS) for each facility (piece of equipment) below 250 tons per year (tpy) Nitrogen Oxides (NO_x) and Carbon Monoxide (CO); 25 tpy Volatile Organic Compounds (VOC), Particulate Matter (PM), Sulfur Dioxide (SO₂), and any

other contaminant (except water, nitrogen, ethane, hydrogen, oxygen, and greenhouse gases); 15 tpy of particulate matter with diameters of 10 microns or less (PM₁₀); or 10 tpy of particulate matter with diameters of 2.5 microns or less (PM_{2.5}).

PBR registrations may also be certified to demonstrate that emission allowables for each facility claimed under the PBR are less than the netting or major source trigger levels under the PSD and NNSR programs. Certifications are also required for sites subject to NO_x cap and trade programs under 30 TAC Chapter 101, and for ensuring that any PBR claims do not exceed permitted flexible caps for facilities permitted under 30 TAC Chapter 116, Subchapter G. Emissions can be certified for an entire site or specific facilities. If the entire site is not being certified, the company will include a summary of facilities that are in this certification. The summary will include emission rates for all emissions points and be supplemented by documentation which demonstrates the basis for each emission rate. This may include: calculations, emissions factors, equipment capacity, fuel consumption, sampling and monitoring data. In almost all cases, Phillips 66 has voluntarily chosen to certify PBR emissions lower than what was authorized by the emission limits of 30 TAC § 106.4.

As referenced in 30 TAC § 116.116(d)(2), all changes authorized under Chapter 106 to a permitted facility shall be incorporated into the NSR Permit when it is amended or renewed. For PBRs that are registered with TCEQ, copies of the registration letters may be viewed through the Remote Document Server (RDS) and in the TCEQ Central File Room.¹ PBR registrations that are certified will have the specific maximum permitted allowables for each facility attached to the registration letter.

The ED provides the following explanation of the relationship between the New Source Review Authorization References Table and the New Source Review Authorization References by Emission Unit Table. The New Source Review Authorization References Table is a list of all NSR authorizations including PBRs for the permit area (This is also explained under the New Source Review Requirements section of the Statement of Basis). This table is a catalog of all NSR permits which can be used by the TCEQ, EPA, and the public to reference in a single tabular format. As explained in the Statement of Basis, the reader may access these permits in the TCEQ Central File Room. The permits may also be accessed through the TCEQ RDS.

The ED agrees that it is helpful to explain the purpose of the New Source Review Authorization References by Emissions Unit Table in the Statement of Basis document. This table's purpose is to list the specific NSR authorizations for emission units that appear elsewhere in the permit, such as the Unit Summary Table, Applicable Requirements Summary Table, Additional Monitoring Summary tables, and the Permit Shield Table. The table also lists a unit description for the emission unit ID numbers in the permit.

RESPONSE 2.1.b.(i)(a) and (b): The Applicant's NSR permits were not under review as part of the draft permit renewal; however, the ED provides the following responses to comments concerning NSR permits 9868A/PSDTX102M7, 85872/PSDTX1158M1, and 80799 (as were specifically mentioned in the comment above):

The Texas FOP program, as approved by EPA, results in a permit that contains all applicable requirements in order to facilitate compliance and improve enforcement. Air permits authorizing construction or modification of facilities or that authorize emission increases and

¹ The RDS may be accessed at <https://webmail.tceq.state.tx.us/gw/webpub>. The RDS provides access to final versions of various project related documents. The ED also maintains project file information in the TCEQ Central File Room. The Central File Room recently began posting documents electronically. See the "Central File Room Online" section at the following webpage, however, keep in mind that all file room documents are not yet available electronically: <http://www.tceq.texas.gov/agency/data>

planned MSS emissions are issued under the authority of 30 TAC Chapter 116. The ED has determined that, in the case of NSR permits, it is more straightforward and beneficial to the public and the regulated community to include all relevant NSR related requirements, including sufficiency of monitoring, in those particular NSR authorizations. Therefore, the FOP does not authorize construction or modifications of facilities, nor does the FOP authorize emission increases or emissions from MSS activities. During processing of an FOP application, the ED will respond to all comments concerning the draft FOP that are received during the 30 day public comment period under 30 TAC Chapter 122. The NSR permitting process is a separate permitting process and determinations made during the NSR permitting process are not subject to re-review during the FOP process. As such, the FOP process is not an opportunity to comment on the validity of other permitting processes, including NSR permits and the contents of such permits. In the case of NSR permits, the appropriate time to comment on NSR emission limits, terms and conditions is during the comment period for the specific authorization. The NSR permits are independent of the FOP and are inclusive of their own enforceable requirements, including monitoring, reporting, recordkeeping, and testing. Specific information concerning NSR permits, including application representations, calculations, determinations made during the NSR review, and various documents can be found in the NSR permitting files located in the TCEQ Central File Room.

It is important to note that the use of incorporation by reference and the fact that major NSR permits are appended to the FOP does not change any of the foregoing information.

NSR Permit 9868A/PSDTX102M7, which is attached to Appendix B of FOP O1440, contains recordkeeping sufficient to demonstrate compliance with the emission caps of the permit. This recordkeeping is identified both on the permit face and in Special Conditions 57-58. The application representations that describe the calculation methodology for the emissions are not required to be listed in the NSR permit document itself since it would be impractical to include those extensive calculations in that document. As a point of comparison, the recently requested amendment application package to convert 9868A/PSDTX102M7 to a SIP approved 30 TAC 116, Subchapter G permit was contained in three folders, sum totaling six inches in document height. The greater share of the application package contains calculation methodology for those short and long term emissions, which would be summarized in the maximum allowable emission rates tables (MAERT) in the permit. Please note, however, that General Condition 1 of the permit face of 9868A/PSDTX102M7 also specifically states, "Facilities covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued." As such, all calculation methodologies are contained within the flexible permit application package and are conditions upon which the permit is issued. The NSR permitting files are located in the TCEQ Central File Room and some are becoming electronically available through the TCEQ public documents websites described in footnote 1.

The monitoring in the NSR permits 9868A/PSDTX102M7 are sufficient to assure compliance with both short and long term emission permit limits. Specific monitoring for the facilities mentioned include the following:

Fluidized Catalytic Cracking Units (FCCU): FCCUs are monitored as required by Special Conditions 53-54 and 60 using continuous emissions monitoring systems (CEMS) to measure and record the in-stack emissions concentrations and continuous opacity monitoring systems (COMS) to record the opacity from the electrostatic precipitator (ESP). The NO_x hourly emission rate is calculated by dividing the outlet air flow (dry scfm) by the standard volume of gas (scf/lbmol) corrected for temperature, multiplying by the molecular weight of NO₂ and the stack concentration (ppmd), and correcting to an hourly rate. The NO_x annual emission rate is based on monthly emissions, as determined from CEMS, and monthly throughput. VOC and CO hourly emission rates are calculated by dividing the outlet air flow (dry scfm) by the standard volume of gas (scf/lbmol) corrected for temperature, multiplying by

the molecular weight and the stack concentration (ppmd) and correcting to an hourly rate. The VOC and CO annual emission rates are calculated the same as the hourly rate, corrected to tons, assuming 8760 hours/year of operation. The hourly SO₂ emission rate is based on the feed rate (bbl/hr), converted to gallons/hr, multiplied by the density of the feed (lb/gal) and the sulfur content (lb sulfur/lb feed), and a basis of fresh feed sulfur being emitted. The annual SO₂ emission rates are based on the FCCU outlet air flow (scf/minute) divided by the standard volume of 1lbmol of gas at 68 degrees Fahrenheit, multiplied by the molecular weight of SO₂, and the stack concentration (ppm), converted to tons per year.

Ammonia is injected into the stream prior to the electrostatic precipitator in order to improve the operation of the ESPs and allow compliance with the opacity limit in the permit. Emissions are based on an ammonia slip of 75%. Emissions of HCL are determined based on the exhaust flow of from the FCCU stack and the emission factor determined during the most recent stack test.

Boilers/Heaters: Boilers and heaters are monitored as required by Special Conditions 55-56, which require the fuel flow rate to be continuously monitored and the heating gas value of the fuel (Btu/scf) to be measured, with routine grab samples (or portable analyzers) taken for NO_x and CO emissions concentrations. NO_x hourly emission rates are obtained by multiplying the emission factor by the maximum firing rate (MMBtu/hr) of each heater/boiler. Annual emissions are based on the annual average firing rate of each heater/boiler. CO hourly emissions are then calculated by multiplying the emission factor (based on emission control type) by the maximum firing rate. Annual emissions are based on the annual average firing rate of each heater/boiler. PM and VOC hourly emission rates are obtained by multiplying the emission factor by the maximum firing rate (MMBtu/hr) of each heater/boiler divided by the maximum fuel gas heating value (Btu/scf). Annual emissions are based on the annual average firing rate of each heater/boiler. Emissions of SO₂ are based on the maximum sulfur content in the fuel gas established as gr H₂S/dscf. Hourly emission rates are calculated by multiplying the emission factor (gr H₂S/dscf) by the maximum flowrate (scf/hr). This product is converted to pounds (1lb/7000 gr) and multiplied by the molecular weight of the pollutant emitted (SO₂,) divided by the molecular weight of the pollutant in the fuel (sulfur). Annual emissions rates are calculated by multiplying the emission factor (gr H₂S/dscf) by the annual flowrate (scf/hr). This product is converted to pounds (1lb/7000 gr) and multiplied by the molecular weight of the pollutant emitted (SO₂) divided by the molecular weight of the pollutant in the fuel (sulfur). This product is multiplied by 8760 days/year and divided by 2000 to convert to tons.

Cooling Towers: Cooling towers are monitored as required by Special Condition 45, which requires the fuel flow rate to be monitored with an air stripping system meeting the requirements of TCEQ Sampling Procedures Manual, Appendix P, or an equivalent sampling method. VOC Emissions from the refinery cooling towers are estimated based on the flow rates of the cooling water systems and a controlled emission factor of 0.7 lb/10⁶ gallons of cooling water. The emission factor is obtained from Table 5.1-2 of the U.S. EPA's AP-42 publication, dated January 1995. PM emission estimates are based on the drift percentage and total dissolved solids (TDS) levels and recirculation rates for each cooling tower.

Tanks: Storage tanks are monitored as required by Special Condition 35, which requires the permit holder to maintain calculated emissions from all storage tanks during the previous calendar month and the past consecutive 12-month period. The annual VOC emissions from storage tanks are estimated using EPA's Tanks 4.0.9d program, which is based on the emission calculation methods in AP-42 Section 7. Short term emissions from fixed and floating roof tanks are calculated per TCEQ's guidance document *APDG 6250 Estimating Short Term Emission Rates from Tanks, September 2014* and TCEQ's guidance document *Technical Guidance Package for Chemical Sources: Storage Tanks, February 2001*,

respectively.

Engines: Engines are monitored as required by Special Conditions 46 - 49, which require records to be maintained of the pipeline quality, sweet natural gas burned in the engines, or NSPS J quality plant fuel containing less than 162 ppmv H₂S. Hourly emissions were calculated by multiplying the emission factor (g/hp-hr) by the engine horsepower and converting to pounds. Annual emissions are calculated by multiplying the emission factor (g/hp-hr) by the engine horsepower and the operating hours (hr/yr) and converting to tons.

Flares: Flares are monitored as required by Special Condition 2, which requires specified flares to install a continuous flow monitor that provides a record of the vent flow stream to each flare and conduct a grab sample on a semiannual basis, and Special Condition 33, which requires other specified flares to conduct annual testing of flare headers. The basis for the flare emission rates is initial testing performed on the flares. The test results were assumed to be typical for these flares and were used to estimate emissions. Brine pit flare emission rates are based on the assumption that any gas dissolved in the brine that does not flash at the flare pits would evaporate from the brine ponds. It is assumed that 2% of the VOC is passed to the brine ponds and will evaporate from the ponds. The total ton/year of VOC flashed is calculated by multiplying the lb/hr flashed, which is based on the flow (bbl/hr), the density of the brine, and the VOC in the brine (ppmw), by the percent fill time, converted to tons. This rate is then apportioned to each pond, depending on the surface area of the pond, assuming that the VOC that goes into the ponds evaporates uniformly across the surface area throughout the year, resulting in an annual emission rate in tons/year for each pond. The hourly rate is determined by conversion of the annual rate to hourly, assuming 8760 hours per year of operation.

Fugitives: Fugitives are monitored as required by Special Conditions 40-44, which require implementation of the 28VHP Leak Detection and Repair (LDAR) program. Each fugitive component was classified first by equipment type (valve, pump, relief valve, etc.) and then by material type (gas/vapor, light liquid, heavy liquid). An uncontrolled VOC emission rate was obtained by multiplying the number of fugitive components of a particular equipment/material type by an appropriate refinery emission factor. To obtain controlled fugitive emission rates, the uncontrolled rates were multiplied by a control factor, which was determined by the leak detection and repair (LDAR) program required by the NSR authorization. The controlled fugitive emission rates of VOC were then speciated using an estimated average composition for each unit or emission source.

Sulfur Recovery Units: Sulfur recovery units are monitored as required by Special Conditions 3-13, which require the firebox temperature for each incinerator to be continuously monitored at least every four hours, and for all periods when the temperature is below minimum firebox temperature. Additionally, acid gas exiting the waste boilers shall be sampled for ammonia on a monthly basis. Annual and hourly emission calculations combine emissions from the SCOT burner and the tail gas incinerator. SCOT burner emissions use the following emission factors: for NO_x an emission factor of 100 lb/MMscf; SO₂ - 0.6 lb/MMscf; CO - 20lb/MMscf; VOC - 5.3 lb/MMscf; and PM - and 5 lb/MMscf. Fuel usage is set at 4.83 Mscf/hour with a fired duty of 493 MBTU/hr. Tail gas incinerator emissions are calculated based on a fuel usage of 25.1Mscf/hour. Emission factors used in the calculations are as follows: NO_x - 140 lb/MMscf; SO₂ - 0.6 lb/MMscf; CO - 35 lb/MMscf; VOC 2.8 lb/MMscf; and PM - 5 lb/MMscf. Additionally, SO₂ emissions are calculated from the Claus process and SCOT unit, based on a maximum capacity of 120 LTD sulfur and an overall sulfur recovery efficiency of 99.8%, which represents Best Available Control Technology (BACT).

Loading: Loading is monitored as required by Special Conditions 36-39, which require oxidizer exit temperatures to be continuously monitored, annual leak testing of tank trucks and presence of leak testing certifications prior to trucks being loaded, and maintenance and update of monthly emissions records, which includes calculated emissions from all loading operations over the previous 12-month period. Loading losses are calculated using the following equation from the EPA Publication "AP-42, *Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Area Sources*," Chapter 5.2.2.1.1, Petroleum Industry Loading Losses.

$$L_L = 12.46 * S * P * M/T$$

where:

L_L = Loading Loss (lb/103 gal of liquid loaded)

S = Saturation factor

P = True vapor pressure of liquid loaded

(psia) M = Molecular weight of vapors (lb/lbmole)

T = Temperature of bulk liquid loaded ($^{\circ}$ R)

Loading emission estimates are based on the physical property data of the material loaded and the actual loading method used. Hourly and annual emissions are calculated using a material vapor pressure at a bulk liquid temperature of 520°Rankine. Hourly emissions calculations use the maximum short term throughput (gal/hour) at the location loaded. The controlled emissions are calculated consistent with the capture efficiency and the control efficiency of the vapor collection system and associated abatement equipment.

Wastewater: Wastewater is monitored as required by Special Conditions 29 and 59, which require compliance with 40 CFR Part 60, Subpart QQQ. Emissions calculations are based on the EPA Surface Impoundment Modeling System (SIMS). Once the composition of the wastewater streams was estimated by SIMS, the mass of the compounds in the sludge was estimated. The air emissions and sludge dropout was then subtracted from the inlet concentration. This number, the outlet concentration, was then used as the inlet concentration for the downstream piece of equipment.

The commenter states that, "according to the Draft Permit's Major NSR Summary Table, Permit No. 9868A/PSDTX102M7 does not contain any monitoring, testing, recordkeeping, or reporting requirements that assure compliance with the following hourly and annual NH₃ emission limits for 29P1 and 40P1, Units 29 and 40 FCCU Stacks units identified in the MAERT table (Permit No. 9868A/PSDTX102M7).

As a part of this Title V renewal project, NSR Permit 9868A/PSDTX102M7, which was issued on September 24, 2014, is attached as Appendix B of FOP O1440. The ED notes that Permit No. 9868A/PSDTX102M7 did not significantly change, update, or revise the NH₃ related amendments approved on August 21, 2008; therefore, comments concerning NH₃ related amendments from the NH₃ amendment project approved in 2008 are beyond the scope of this Title V review process.

However, the ED has revised the Major NSR Summary Table in the Proposed Permit (at page 302) to include additional monitoring/testing, recordkeeping and reporting requirements for NH₃ emissions, which were inadvertently omitted from the Major NSR Summary Table (Draft

Permit at pages 261 and 262). The additional monitoring/testing, recordkeeping and reporting requirements, which are already included in Permit No. 9868A/PSDTX102M7, are added since they were not explicitly listed in the Major NSR Summary Table, Appendix B of the Draft Permit at pages 261 and 262.

Standard Permit 82659 was issued on August 30, 2007, per 30 TAC Chapter 116, Subchapter F, and was subsequently consolidated into NSR 9868A/PSDTX102M7, by reference, as a pollution control project to authorize emissions associated with installation of an ammonia injection system. Although the Standard Permit 82659 had been consolidated into 9868A by reference, it was inadvertently omitted from the New Source Review Authorization References table and the New Source Review Authorization References by Emission Unit in the Draft Permit, and from the Statement of Basis (SOB). Standard Permit 82659 has since been added for reference in both documents.

The ED notes that the following requirements are listed in Permit No. 9868A/PSDTX102M7 to assure full compliance with applicable NH₃ emission limits:

- 1) Special Conditions 52A - 52F require the Applicant to perform stack tests, including the requirement: "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." Accordingly, Unit 29 underwent a successful stack test on June 25, 2008, in which three runs were conducted using EPA Procedure for Collection and Analysis Of Ammonia in Stationary Sources, Conditional Test Method (CTM-027). A copy of this test report is retained onsite at the plant per 30 TAC 116.615(8). NH₃ results were measured to be 3.12 lb/hr, which is less than the permit limit of 9.75 lb/hr. The test was run at a charge rate of 27,000 BBL/Day, which is representative of current normal operation, and based on engineering judgment, the results of this test are representative of current operations.
- 2) Special Condition 53 requires the Applicant to install a CEMS to measure and record the in-stack concentrations of the following compounds: SO₂, NO_x, CO, O₂ and opacity for Units 29 and 40 FCCU Stacks. Special Condition 53 may be used as a surrogate measurement for detecting changes in NH₃. That is, there is a reasonable assurance that a CEMS system showing compliant concentrations of SO₂, NO_x, CO, O₂, and opacity for Units 29 and 40 FCCU Stack measurements is also an indicator of a well-tuned, stable combustion process that produces quantifiable NH₃ emissions.
- 3) As stated in Footnote 4 of the MAERT, compliance with annual NH₃ emission limits (tons per year) is based on a 12-month rolling period.
- 4) Special Condition 57 requires the Applicant to retain records to demonstrate compliance with annual TPY emissions for NH₃. Specifically, it states "Compliance with annual TPY emissions shall be based on calendar basis through the year 2006 and on a 12-month rolling average thereafter. Emissions calculations for verifying compliance with the emission caps shall be calculated at least once every month. The holder of this permit shall maintain all records necessary to demonstrate compliance with the short-term lb/hr and annual TPY emissions cap and provide such demonstration of compliance to the TCEQ Regional Office upon request."
- 5) Special Condition 6, which applies to the Sulfur Recovery Unit (SRU) Complex, requires "The acid gas exiting the waste heat boilers shall be sampled for ammonia (NH₃) on a monthly basis, and the NH₃ concentration shall not exceed 300 parts per million by volume (ppmv) at any time."
- 6) Finally, the Applicant must submit permit compliance certification (PCC) and deviation reports periodically to assure compliance with the requirements of the Proposed Permit; including Permit No. 9868A/PSDTX102M7 and all NSR/PBR authorizations listed on the Proposed Permit at page 280. Therefore, compliance and enforceability of the Proposed Permit requirements (including NSR) is assured.

The commenter states that Permit No. 9868A/PSDTX102M7 does not contain any monitoring, testing, recordkeeping, or reporting requirements to assure compliance with the hourly and annual HCl emission limits for 29P1 and 40P1, Units 29, and 40 FCCU Stacks units identified in the MAERT table (Permit No. 9868A/PSDTX102M7).

As a part of this Title V renewal project, NSR Permit 9868A/PSDTX102M7, which was issued on September 24, 2014, is attached as Appendix B of FOP O1440. The ED notes that Permit No. 9868A/PSDTX102M7 does not significantly change, update, or revise the HCl related amendments that were approved on July 26, 2010; therefore, comments concerning HCl related amendments from the HCl amendment project approved in 2010 are beyond the scope of this Title V review process since those objections were properly raised during the NSR permitting process.

Unit 29 and Unit 40 FCCUs were permitted for HCl emissions off of the stack because new engineering assessments assumed that this compound was present as the result of chlorine in the steam used in the regenerator. The Applicant requested an HCl emission limit be added to the FCCUs in case it was present in any concentration. The requested emission limits were based on engineering knowledge. Additionally, the Applicant routinely checks plant water (boiler feed water, cooling tower water, etc.) for a number of compounds, including HCl. Results of these samples are kept onsite and any exceedances would be reported in the PCC.

However, the ED has revised the Major NSR Summary Table in the Proposed Permit (at page 302) to include additional monitoring/testing, recordkeeping and reporting requirements for HCl emissions, which were inadvertently omitted in the Major NSR Summary Table (Draft Permit at pages 261 and 262). The additional monitoring/testing, recordkeeping and reporting requirements are already included in Permit No. 9868A/PSDTX102M7.

The ED notes that the following requirements, incorporated by reference in the Draft Permit, are listed in Permit No. 9868A/PSDTX102M7, assure full compliance with applicable HCl emission limits:

- 1) Special Conditions 52A–52F require the Applicant to perform stack tests, including the requirement: “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.” Accordingly, Unit 29 underwent a successful stack test on July 16, 2009, in which three runs were conducted using EPA Method 26A (Hydrogen and Halogen – Isokinetic Method). A copy of this test report is required to be retained onsite per 30 TAC § 116.615(8). HCl results at this rate were measured to be 0.373 lb/hr, which is less than the permit limit of 0.45 lb/hr. The test was run at a charge rate of 27,000 BBL/Day, which is representative of current normal operation, and based on engineering judgment, the results of this test are representative of current operation. Unit 40 underwent a successful stack test on October 13, 2010, in which three runs were conducted using EPA Method 26A. A copy of this test report is required to be retained onsite at the facility per 30 TAC § 116.615(8). HCl results at this rate were measured to be 0.029 lb/hr, which is less than the permit limit of 0.22 lb/hr. The test was run at a charge rate of 25,000 BBL/Day, which is representative of current, normal operation, and based on engineering judgment, the results of this test are representative of current operation.
- 2) Special Condition 53 requires the Applicant to install a CEMS to measure and record the in-stack concentrations of the following compounds: SO₂, NO_x, CO, O₂, and opacity for Units 29 and 40 FCCU Stacks. Special Condition 53 may be used as a surrogate measurement for detecting changes in HCl. That is, there is a reasonable assurance that a CEMS system showing compliant SO₂, NO_x, CO, O₂ and opacity for Units 29 and 40 FCCU Stack measurements is also an indicator of a well-tuned, stable combustion process that produces quantifiable HCl emissions.
- 3) As stated in Footnote 4 of the MAERT, compliance with annual HCl emission limits (tons

- per year) is based on a 12-month rolling period.
- 4) Special Condition 57 requires the Applicant to retain records to demonstrate compliance with annual TPY emissions for HCl. Specifically, it states: "Compliance with annual TPY emissions shall be based on calendar basis through the year 2006 and on a 12-month rolling average thereafter. Emissions calculations for verifying compliance with the emission caps shall be calculated at least once every month. The holder of this permit shall maintain all records necessary to demonstrate compliance with the short-term lb/hr and annual TPY emissions cap and provide such demonstration of compliance to the TCEQ Regional Office upon request."

In addition, the commenter states that Permit No. 9868A/PSDTX102M7 does not contain any monitoring, testing, recordkeeping, or reporting requirements to assure compliance with the hourly and annual PM₁₀ emission limits for 34I1 unit identified in the MAERT table (Permit No. 9868A/PSDTX102M7).

As a part of this Title V renewal project, NSR Permit 9868A/PSDTX102M7, which was issued on September 24, 2014, is attached as Appendix B of FOP O1440. The ED notes that Permit No. 9868A/PSDTX102M7 does not significantly change, update, or revise the PM₁₀ related amendments approved on February 14, 2011; therefore, comments concerning PM₁₀ related amendments from the PM₁₀ amendment project approved in 2011 are beyond the scope of this Title V review process.

However, the ED has revised the Major NSR Summary Table in the Proposed Permit (at page 302) to include additional monitoring/testing, recordkeeping and reporting requirements for PM₁₀ emissions that were inadvertently omitted in the Major NSR Summary Table (Draft Permit at pages 261 and 262). The additional monitoring/testing, recordkeeping and reporting requirements are already included in Permit No. 9868A/PSDTX102M7.

The ED notes that the following requirements are listed in Permit No. 9868A/PSDTX102M7 to assure full compliance with applicable PM₁₀ emission limits:

- 1) Special Conditions 52A–52F require the Applicant to perform stack tests, including the requirement: "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."
- 2) As stated in Footnote 4 of the MAERT, compliance with annual PM₁₀ emission limits (tons per year) is based on a 12 month rolling period.
- 3) Special Condition 57 requires the Applicant to retain records to demonstrate compliance with annual TPY emissions for PM₁₀. Specifically, it states: "Compliance with annual TPY emissions shall be based on calendar basis through the year 2006 and on a 12-month rolling average thereafter. Emissions calculations for verifying compliance with the emission caps shall be calculated at least once every month. The holder of this permit shall maintain all records necessary to demonstrate compliance with the short-term lb/hr and annual TPY emissions cap and provide such demonstration of compliance to the TCEQ Regional Office upon request."
- 4) Special Condition 8 requires that 34I1 shall be operated with no less than 1.5 percent O₂ in the incinerator stack operated at no less than 1170 degrees Fahrenheit incinerator firebox exit temperature. Emissions are based on AP-42 Table 1.4-1 emission factor for natural gas and the amount of natural gas used as fuel for the facility. The permit specifies that the firebox temperature of the incinerator be maintained at 1170 degrees Fahrenheit. The Applicant has determined the amount of natural gas required to maintain that temperature and assumes 8760 hours of operation in order to determine annual emissions. Since this is a combustion process, the common assumption is PM₁₀=PM_{2.5} is valid.

- 5) Special Condition 9 requires that the firebox temperature for each incinerator shall be continuously monitored and recorded at least every four hours. In addition, continuous recording shall be required for all periods for which the temperature is below the minimum firebox temperature. If a continuous recorder is not available, manual reading recorded every 15 minutes shall be considered continuous recording.

F-56-1-4-A (2&5), F-56-1-12, F-56-1-17: These emission points are for fugitive emissions from the Wastewater Treatment Plant at the refinery. The emissions were permitted for a proposed upgrade of the unit as an amendment to Flexible Permit No. 9868A, and issued February 25, 2013. The EPNs were never constructed, however. Subsequently, the 9868A renewal project (240880) removed the upgrade project and deleted the EPNs from the February 25, 2013, amendment.

RESPONSE 2.1.b.(ii)(a) and (b): The commenter also states that Permit No. 85872/PSDTX1158M1 does not contain any VOC monitoring, testing, or reporting requirements, or PM reporting requirements to assure compliance with the hourly and annual VOC emission limits for SKIDBLR, 81B17, BOILER 12, MSSFUG units identified below.

As a part of this Title V renewal project, the Draft Permit incorporates by reference Permit No. 85872/PSDTX1158M1, which was issued on September 4, 2015. As a part of this Title V renewal project, Permit No. 85872/PSDTX1158M1, which was issued on September 4, 2015, is attached as Appendix B of FOP O1440. The ED notes that Permit No. 85872/PSDTX1158M1 does not significantly change, update, or revise the VOC fugitives related amendments approved on December 11, 2009; therefore, comments concerning VOC related amendments from the VOC amendment project approved in 2010 are beyond the scope of this Title V review process since those objections were properly raised during the NSR permitting process.

However, the ED has revised the Major NSR Summary Table in the Proposed Permit (at pages 305 and 306) to include additional monitoring/testing, recordkeeping, and reporting requirements for VOC fugitive emissions that were inadvertently omitted in the Major NSR Summary Table (Draft Permit at pages 265 and 266). The additional monitoring/testing, recordkeeping and reporting requirements are included in Permit No. 85872/PSDTX1158M1.

The ED notes that the following requirements are listed in Permit No. 85872/PSDTX1158M1 to assure full compliance with applicable VOC fugitive emission limits:

- 1) Special Conditions 9A - 9L require the Applicant to comply with various monitoring/testing, recordkeeping and reporting requirements to demonstrate VOC emissions from "Piping, Valves, Flanges, Pumps and Compressors" units in VOC Service are in compliance with applicable limits.
- 2) Special Conditions 2, 3, 18, 20 and Attachment A require the Applicant to comply with various periodic monitoring/testing, recordkeeping and reporting requirements of planned MSS activities. The maintenance requirements are referenced in Special Condition 18 and the recordkeeping is required by Special Condition No. 20. Predicted VOC emission limits referenced in the Major NSR Summary Table were determined using a consistent calculation methodology developed conjointly by TCEQ and industry groups, who worked together over a period of a year to ensure adequate coverage of anticipated maintenance, startup, and shutdown activities. These methodologies have been in use since 2008. Most of the referenced MSSFUG VOC emissions are from gaseous fuel venting, which is based on various piping volumes associated with the steam boilers.
- 3) Finally, the Applicant must submit permit compliance certification (PCC) and deviation reports periodically to assure compliance with the requirements of the Proposed Permit; including Permit No. 85872/PSDTX1158M1 and all NSR/PBRs listed on the Proposed Permit at page 280. Therefore, compliance and enforceability of the Proposed Permit requirements (including incorporated NSR permits) is assured.

SKIDBLR, 81B17, BOILER 12 (PM): Special Condition No. 1 of Permit No. 85872 specifies the maximum firing duty for each boiler covered by this permit. Special Condition No. 4 of Permit No. 85872 restricts these units to refinery fuel gas and/or purchased natural gas. That is, no liquid or solid fuel is allowed. Based on this restriction, the common assumption that $PM = PM_{10} = PM_{2.5}$ is valid. Compliance with Special Condition No. 4 is readily demonstrated by fuel usage records retained onsite. The PM emission limits were calculated using an AP-42 Factor, which is published by EPA, in AP42, Fifth Edition, Volume I, Chapter 1.4, and a permitted maximum firing duty. This permit application is on file with TCEQ and is publicly available for review from the Central File Room (TCEQ Main Campus, Bldg. E, Room 103). Additionally, the Title V program requires annual emissions reporting to TCEQ. These Emission Inventory (EI) reports are public documents and emissions calculations for the EI report for these sources would be prepared in the same way.

The ED disagrees with the commenter's statement that Permit No. 85872/PSDTX1158M1, Special Condition 11 and the Draft Permit are inadequate. The commenter states that the special condition and draft permits do not ensure that the boiler complies with applicable Subpart DDDDD requirements and are unclear about whether any of the Subpart DDDDD PM monitoring, recordkeeping, or reporting requirements actually apply to these facilities. The ED notes that at the time the draft permit went to public notice, the MACT DDDDD applicability date was still pending (Draft Permit noticed on October 14, 2015, with compliance date for existing sources on January 31, 2016). Additionally, Special Condition No. 4 of Permit No. 85872 characterizes these sources as Gas-1 Sources for the purposes of 40 CFR 63 Subpart DDDDD. Requirements for Gas-1 sources include periodic tune-ups only, based on the permitted maximum firing duty, specified in Special Condition No. 1 of Permit No. 85872 and reports of these tune-ups. A Notice of Compliance Status was submitted to TCEQ on March 15, 2016, as required by the rule. The first tune-up report was not due until to January 31, 2017. Furthermore, it should be noted that after rule compliance dates have past, permit holders must comply with the applicable subject rules regardless of whether they are addressed in the permit. However, the ED has revised the Applicable Requirements Summary Table to replace high-level applicability of 40 CFR Part 63, Subpart DDDDD (as previously represented in the Draft Permit) with more specific citations to applicable subsections for facility boilers and process heaters.

RESPONSE 2.1.b.(iii): The ED disagrees with the Commenter's statement that Special Conditions listed in Permit No. 80799 must identify "specific" method(s) to calculate MSS emissions that assure compliance with applicable emission limits. MSS related requirements are stated in Special Conditions 2, 3, 6, 9, 11, 12, and 13 of Permit No. 80799. The Proposed Permit, including Permit No. 80799, provides operational flexibility to the Applicant while ensuring compliance with applicable emission limits. Specifically, general Condition 6 in Permit No. 80799 states that, "the permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit." In addition, Part 3 of the Permit Compliance Certification (PCC) Form (TCEQ 10490) requires the Applicant to list the selected Monitoring Option for each emission unit. These requirements assure compliance with the applicable requirements of the Proposed Permit and Permit No. 80799.

COMMENT 3: The Draft Permit Fails to Identify, Incorporate, and Assure Compliance with PBR Requirements

1. The Draft Permit's Method of Incorporating Permit by Rule Requirements by Reference Fails to Assure Compliance

The Draft Permit incorporates by reference many PBR limits and requirements. Draft Permit at 239–257 (listing PBRs incorporated by reference into the Draft Permit). To assure compliance with applicable requirements, the Executive Director must "ensure that Title V

permits are clear and unambiguous as to how emission limits [established by PBRs] apply to particular emissions units.” *In the Matter of Premcor Refining Group*, Order on Petition No. VI- 2007-02 (May 28, 2009) at 6, n3. Though IBR of PBRs may be proper in some cases, Title V permits that incorporate PBRs by reference must provide enough information about facilities authorized by PBRs to allow readers to answer the following basic questions about how incorporated PBRs apply to Title V sources: (1) how much pollution may each facility emit under claimed PBRs, (2) which pollutants may each facility emit under claimed PBRs, and (3) which PBRs apply to each facility. The Draft Permit is deficient—not because it fails to directly include the text of the incorporated PBRs—but because it does not include information a reader needs to understand how PBRs apply to facilities at the Borger Refinery.

a. How Much Pollution May Phillips 66 Emit Under Claimed PBRs?

Before any actual work is begun on a new or modified facility, an operator must obtain a permit or permit amendment authorizing the project. 30 Tex. Admin. Code § 116.110(a). To authorize construction of new or modified facility, an operator may apply for and obtain a case- by-case permit. *Id.* at §§ 116.110 and 116.111. In lieu of applying for a new or amended case- by-case permit under § 116.111, an operator may instead claim a PBR (or PBRs) to authorize construction or modification of a facility, so long as the proposed construction project complies with PBR requirements. *See, e.g., Id.* at §§ 106.4(a) (listing general requirements that must be met to qualify for a PBR); 116.110(a)(4) (stating that construction may be authorized by PBR); and 116.116(d) (stating that a PBR may be used in lieu of a permit amendment to authorize construction). While each case-by-case permit is assigned a unique permit number and includes facility-specific emission limits and special conditions based on the Executive Director’s review of the operator’s application, PBRs establish generic emission limits and operating requirements that apply to all new and modified facilities authorized via PBR (unless the operator registers PBR emissions at lower rates). These generic requirements are found in Texas’s PBR rules. When construction of new or modified facilities is authorized by PBR, the PBR(s) claimed by the operator—*i.e., the rule itself*—is the permit authorizing the project. *See, e.g.,* 30 Tex. Admin. Code § 106.454 (“Any degreasing unit that satisfies the following conditions of this section is permitted by rule”).

Thus, while the Draft Permit identifies the case-by-case permits it incorporates by listing their unique permit numbers and date of issuance, it identifies the PBRs Phillips 66 has claimed by their *rule* numbers and the date that each rule was promulgated (not the date(s) Phillips 66 claimed each PBR). Draft Permit at 239-240. This way of listing applicable requirements is misleading, because it suggests that each claimed PBR, like the case-by-case permits identified in the Draft Permit, is a single permit. This suggestion is misleading because Phillips 66 may claim the same PBR to separately authorize construction of or modifications to different facilities, various modifications to a single facility, or various modifications that affect several different facilities at the Borger Refinery.

According to the TCEQ’s Permit by Rule Applicability Checklist, PBRs may only be used to authorize construction or modification of facilities if (1) emissions from **each** facility are below the 106.4(a)(1) thresholds; and (2) emissions from **all** facilities covered by the PBR submittal are below the 106.4(a)(1) thresholds. PBR Checklist, Section 1. Because PBR limits may apply to a single facility or establish caps that cover multiple facilities depending how many facilities are included in each PBR submission and how many submissions Phillips 66 has made, one cannot tell from the Draft Permit and information in the incorporated PBR rules how much each facility at the Borger Refinery is authorized to emit under the various PBRs listed by the Draft Permit. For example, Phillips 66 has claimed PBR 106.511 to authorize multiple engines at the Borger Refinery. Draft Permit at 251–252. Each such engine is a facility, and 30 Tex. Admin. Code § 106.4(a)(1) establishes a ceiling for the amount of pollution that can be authorized from each engine under PBR. If each engine

was separately authorized through a series of PBR submissions, the 106.4(a)(1) limits apply to each engine separately, and total cumulative emissions from the engines may equal the 106.4(a)(1) limits multiplied by the number of engines. However, if each engine was authorized as part of the same submission, then Phillips 66 must maintain total cumulative emissions from all the engines below the 106.4(a)(1) limits. PBR Checklist, Section 1. Matters are even more complicated than this, because Texas's rules allow Phillips 66 to certify and register PBR emissions at levels that are lower than the limits specified by the applicable rules to avoid triggering PSD netting requirements. 30 Tex. Admin. Code § 106.6; *Approval and Promulgation of Implementation Plan; Texas; Revisions to Regulations for Permits by Rule*, 68 Fed. Reg. 64,543, 64,547 (November 14, 2003). The [PBR] regulations allow a source to limits PTE of a pollutant below the level of a major source defined in the Act. This includes regulations which Texas revised to allow an owner or operator of a source to register and certify restrictions and limitations that the owner or operator will meet to maintain its PTE below the major source threshold”).

The Draft Permit is incomplete and fails to assure compliance with PBR requirements, because readers cannot determine, based on the text of the incorporated PBR rules and other information in the Draft Permit, how much pollution Phillips 66 is authorized to emit from each facility under any of the claimed PBRs.

b. Which Pollutants May Phillips 66 Emit Under Claimed PBRs?

Texas's General PBR requirements indicate that PBRs may be used to authorize emissions of *any* contaminant other than water, nitrogen, ethane, hydrogen, oxygen, and greenhouse gasses. 30 Tex. Admin. Code § 106.4(a)(1)(E). However, claiming a PBR for a project does not authorize emissions of all pollutants up to the limits identified in 106.4 and the specific claimed PBR (*i.e.*, 250 tpy NO_x and CO+25 TPY of VOC, SO₂, and PM+15 TPY PM₁₀+10 TPY PM_{2.5}+25 TPY Lead+25 TPY H₂S+25 TPY H₂SO₄ etc.). That would run afoul of the TCEQ's reading of 30 Tex. Admin. Code § 106.4 as precluding PBR submissions to authorize emissions increases exceeding the applicable major source threshold. PBR Checklist, Section 3. Instead, only emissions related to the particular construction project for which the PBR is claimed are authorized. *See, e.g.*, 30 Tex. Admin. Code § 106.4(a) (stating that emissions from a facility authorized by PBR must remain below that 106.4(a)(1) emission limits, “*as applicable*”) (emphasis added). The Draft Permit does not contain any information about the projects or emissions authorized by PBR for any facility at the Borger Refinery. Thus, one cannot determine—based solely on the text of Texas's PBR rules incorporated by reference into the Draft Permit—which pollutants Phillips 66 is authorized to emit from any PBR facility. Because the Draft Permit fails to provide sufficient information to allow a reader to determine which pollutants each PBR facility is authorized to emit, it is incomplete and fails to assure compliance with applicable PBR requirements. Because incorporated PBR emission limits and requirements are not enforceable, the Draft Permit is deficient.

c. Which Facilities are Subject to PBR Limits and Requirements?

While the Draft Permit incorporates the following PBRs, it does not identify any facility or group of facilities authorized by these permits: 106.263, 106.371, and 106.532. Because the Draft Permit does not even identify the facility or facilities authorized by and subject to the requirements of these PBRs, it fails to unambiguously describe how these permits apply to facilities at the Borger Refinery. Without this information, members of the public and federal regulators will not be able to determine which units must comply with these permits. *Objection to Title V Permit No. O2164, Chevron Phillips Chemical Company, Philtex Plant* (August 6, 2010) at ¶ 7 (draft permit fails to meet 40 C.F.R. § 70.6(a)(1), because it does not list any emission units to be authorized under specified PBRs). Moreover, even if an interested party is able to determine which facilities should be subject to one of these PBRs, a court is unlikely to enforce these requirements, because the Draft

Permit fails to identify them as applicable for any specific facility or facilities at the Borger Refinery. *See United States v. EME Homer City Generation*, 727 F.3d 274, 300(3rd Cir. 2013) (explaining that the Court lacks jurisdiction to enforce a requirement omitted from a Title V permit). Because this is so, the Draft Permit fails to identify and assure compliance with all applicable requirements.

- If the Executive Director contends that the Draft Permit's method of incorporating PBR requirements assures compliance, Commenters respectfully request that the Executive Director identify the information in the Draft Permit, the Statement of Basis, and the text of the incorporated PBRs that indicates which facilities are covered by the following PBRs: 106.263, 106.371, and 106.532.

Requested Revision to the Title V Permit

The Executive Director must revise the Draft Permit to identify which pollutants and how much of each pollutant facilities at the Borger Refinery are authorized to emit under claimed PBRs.

- 30 Tex. Admin. Code § 106.4(a)(1) states that “[t]otal actual emissions authorized under permit by rule from the facility shall not exceed the following limits[.]” Commenters read this language to mean that total emissions from each facility authorized by PBR may not exceed the limits listed at 106.4(a)(1), regardless of how many PBRs are claimed or PBR submittals are made for that facility (*i.e.*, regardless of how many PBRs are claimed and how many PBR submittals are made to authorize changes to a particular tank, that tank may not emit more than 25 TPY of VOC without a case-by-case permit). Commenters ask that the Executive Director indicate whether this reading of the rule is correct;
- If the Executive Director contends that Commenters’ reading of 106.4(a)(1) is incorrect, Commenters ask that he clarify the proper reading of the rule and identify applicable guidance documents supporting that reading.

2. The Draft Permit Omits Applicable PBR Requirements

a. The Draft Permit Fails to Identify and Incorporate PBR Registrations as Applicable Requirements

Texas Title V permits must include and assure compliance with all applicable requirements, including “[a]ll requirements under Chapter 106, Subchapter A . . . (relating to Permits by Rule).” 30 Tex. Admin. Code § 122.10(2)(H) (defining “applicable requirements” to include PBR requirements); 42 U.S.C. § 7661c(a).

Texas’s Chapter 106, Subchapter A rules state that “[a]n owner or operator may certify and register the maximum emission rates from facilities permitted by rule under this chapter in order to establish federally-enforceable allowable emission rates which are below the emission limitations in § 106.4[.]” 30 Tex. Admin. Code § 106.6(a). Various PBRs also require operators to register emissions. *See, e.g., Id.* at § 106.454(1)(A)(i). In cases where an operator registers emission rates, “[a]ll representations with regard to construction plans, operating procedures, and maximum emission rates in any certified registration become conditions upon which the facility permitted by rule shall be constructed and operated.” *Id.* at § 106.6(b). These source-specific PBR emission limits and conditions are applicable requirements that must be included in Title V permits and Title V permits must include conditions necessary to assure compliance with them.

Phillips 66 has certified and registered PBR emissions for various facilities at the Borger

Refinery at levels substantially lower than the general PBR emission limits found at 30 Tex. Admin. Code § 106.4(a)(1) and the specific claimed PBRs. Attachment 2 (TCEQ Registration Letters for Borger Refinery). The Draft Permit, however, does not identify Phillips 66's registrations as applicable requirements. Draft Permit at 239-257. Indeed, the Draft Permit fails to indicate that these registrations even exist. This omission suggests that all facilities authorized via PBR may emit up to the limits specified in § 106.4(a)(1). The Draft Permit's failure to identify and include source-specific § 106.6 registration requirements is contrary to 42 U.S.C. § 7661c(a) and renders them unenforceable under the prevailing doctrine of collateral attack. *See United States v. EME Homer City Generation*, 727 F.3d 274, 300(3rd Cir. 2013) (explaining that the Court lacks jurisdiction to enforce a requirement omitted from a Title V permit).

Additionally, because Phillips 66's PBR registrations contain information necessary to impose applicable PBR requirements, these registrations must be included in Phillips 66's Title V permit application, 40 C.F.R. § 70.5(c), and available for review during the public comment period. *Id.* at § 70.7(h)(2). *In the Matter of WE—Oak Creek Power Plant*, Order on Petition to Object to Permit No 241007690-P10 (June 12, 2009) at 25-26. Commenters have reviewed Phillips 66's application file and it does not contain information about requirements in Phillips 66's registered PBRs. Because Phillips 66's application is incomplete and because the public did not have an opportunity to review the PBR registration requirements in the application during the comment period, the Executive Director may not issue the Draft Permit. The Executive Director must require Phillips 66 to submit a complete application and provide the public an opportunity to comment on it before he issues Phillips 66's Title V permit.

b. The Draft Permit Fails to Assure Compliance with Major NSR Requirements

The Borger Refinery is a major source of air pollution located in an area categorized as in attainment or unclassifiable with respect to each NSR pollutant. Accordingly, Phillips 66 is required to conduct netting to determine major NSR applicability for any construction or modification that has the potential to increase emissions of any NSR pollutant emissions beyond the significance thresholds listed at 40 C.F.R. § 52.21(b)(23). 30 Tex. Admin. Code § 116.160(b)(1). Texas's general PBR requirements provide that facilities authorized by PBR may emit NO_x, CO, Pb, Fluorides, H₂SO₄, H₂S, and TRS at levels that exceed the applicable netting threshold. *Id.* at §§ 106.4(a)(1); 116.160(b)(1). In addition, cumulative potential VOC, SO₂, PM, PM₁₀, and PM_{2.5} increases from multiple PBR submissions authorizing changes to various facilities related to the same project may trigger netting requirements. To comply with registration requirements in claimed PBRs and to avoid netting requirements that would otherwise be triggered by potential increases for PBR projects subject to § 106.4(a)(1) limits, Phillips 66 has registered PBR emission rates for various facilities at the Borger Refinery at levels lower than the general limits. Attachment 2.

To be effective, Phillips 66's PBR registrations must be federally and practicably enforceable. *Guidance on Enforceability Requirements for Limiting Potential to Emit through SIP and §112 Rules and General Permits*, Katie A. Stein, Director, EPA Air Enforcement Division ("Enforceability Guidance") (January 25, 1995). EPA's guidance contains the following statement addressing rules like 30 Tex. Admin. Code § 106.6, which allow operators claiming a general permit to accept limits lower than provided by the general permit:

A rule that allows sources to submit the specific parameters and associated limits to be monitored may not be enforceable because the rule itself does not set specific technical limits. The submission of these voluntarily accepted limits on parameters or monitoring requirements would need to be federally enforceable. Absent a source-specific permit and appropriate review and public participation of the limits, such a rule is not consistent with EPA's

enforceability principles.

Enforceability Guidance at 8.

Thus, to ensure that registered PBRs limiting the PTE of facilities at the Borger Refinery are enforceable requirements of the Draft Permit, the Executive Director must incorporate the registered limits and operating parameters as source-specific permits. Otherwise, the only enforceable limits for facilities authorized by PBR at the Borger Refinery will be those established in 30 Tex. Admin. Code §106.4(a)(1) and the claimed PBRs, which are not low enough to ensure that PBR facilities do not trigger major NSR netting and preconstruction permitting requirements. By failing to specifically identify and incorporate PBR registrations, the Draft Permit fails to assure compliance with major NSR requirements and subjects Phillips 66 to possible liability for failing to comply with netting requirements triggered by authorizations subject to § 106.4(a)(1) limits, because Phillips 66's registered PBRs are not enforceable and do not effectively limit the PTE of covered facilities. Enforceability Guidance at 11 (“[W]here a source is required to use another mechanism to limit potential to emit, i.e., a construction permit, the general permit may not be relied upon by the source or the State, to limit the potential to emit”).

Requested Revision to the Title V Permit:

To ensure that Phillips 66's PBR registrations are federally enforceable and effectively limit the PTE of facilities at the Borger Refinery and to prevent circumvention of major NSR netting and preconstruction permitting requirements, the Executive Director should revise the Draft Permit to (1) identify and include registered PBR limits, conditions, and representations and (2) specify monitoring methods sufficient to assure compliance with them. The Executive Director should also revise the Statement of Basis to explain how these registered PBRs assure compliance with major NSR requirements and how the identified monitoring methods assure compliance with PBR registration requirements.

c. The Draft Permit May Fail to Assure Compliance with Unregistered PBRs

Title V permits must include and assure compliance with all applicable requirements. While many PBRs require Phillips 66 to register PBR emissions with the Executive Director, some do not. *Executive Director's Response to Public Comments*, Permit No. O65 (November 14, 2013) (“Some of the PBRs claimed do not require registration . . . thus, authorization letters will not always be available for those particular PBRs”). Neither Texas's Title V rules nor its NSR rules appear to establish a process by which members of the public may track PBRs claimed by Phillips 66 that do not require registration and determine whether unregistered PBRs have been used to authorize facilities at the Borger Refinery.

While 30 Tex. Admin. Code §§ 106.8(c)(1)-(4) require Phillips 66 to maintain copies of unregistered PBRs and applicable 106.4 requirements at the Borger Refinery and to make such records available to personnel from the commission or any air pollution control program having jurisdiction, these provisions do not provide members of the public access to the relevant records and fail to provide a method for assuring that facilities authorized by unregistered PBR are identified in the Draft Permit. The Executive Director should revise the Draft Permit to require that such records be made available to the public.

- Commenters request that the Executive Director state whether all unregistered PBRs claimed by Phillips 66 are identified in the Draft Permit's New Source Review Authorization References by Emission Unit Table;
- If the Executive Director does not know whether the Draft Permit identifies all unregistered PBRs claimed by Phillips 66, Commenters ask that he state that for

the record;

- If the Executive Director contends that he is not required to identify unregistered PBRs in the New Source Review Authorization References by Emission Unit Table, Commenters ask that he provide the basis for that contention; and
- If the Executive Director admits that Phillips 66 has claimed unregistered PBRs to authorize projects at the Borger Refinery and that these PBRs are not identified in the Draft Permit, he must revise the Draft Permit to identify and assure compliance with those permits.

RESPONSE 3: See Response 2 above for an explanation of PBR requirements generally. The ED disagrees with the Commenter's statements regarding whether "total cumulative emissions from the engines may equal the 106.4(a)(1) limits multiplied by the number of engines," and that a PBR may be used to authorize "multiple engine units" that may exceed allowable limits under PBR in § 106.511. The Texas SIP rules explicitly require the Applicant to certify that: 1) the permitted facility qualifies for the use of the PBR; 2) the facility is in compliance with 30 TAC §§ 106.4(a)(2); and (3) the use of PBRs is not permitted if the project triggers federal PSD or NA review. Specifically, the Applicant must "ensure that any applicable netting requirements have been satisfied" and must keep records according to 30 TAC § 106.8 to be able to demonstrate compliance with the PBR requirements. It may be noted that netting is a summation of the emission increases from the current (PBR) project plus all creditable emission changes within the contemporaneous period that include applicable previous (PBR) projects. Additionally, the Applicant certifies in a registered and/or certified PBR that the application will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7; the Texas Clean Air Act (TCAA); the air quality rules of the TCEQ; and any local governmental ordinance or resolution enacted pursuant to the TCAA. Furthermore, the Applicant must file an annual emissions inventory (EI) report for the site that is publicly accessible. The EI report may be used by the public to determine if there are any significant emission changes at the site that may potentially trigger NA and/or PSD netting requirements.

COMMENT 4: The Draft Permit Fails to Identify Facilities Subject to Standard Permit Requirements

The Draft Permit incorporates by reference the following Standard Permits: 100477, 104928, 87458, and 90208, but fails to identify any facilities or groups of facilities subject to the limits and requirements established by these permits. Draft Permit at 239-257. Permit Nos. 87458 and 90208 appear to establish requirements to facilities listed in the Draft Permit—41H1 and 12e6—but the Draft Permit fails to list these requirements in the New Source Review Authorization References by Emissions Unit table. Permit Nos. 100477 (Attachment 3) and 104928 (Attachment 4) appear to authorize temporary engines that are not listed in any of the Draft Permit's unit summaries. Accordingly, Commenters are confused as to whether these standard permits are applicable requirements for the Draft Permit. To assure that standard permit requirements that apply to the Borger Refinery are enforceable, the Executive Director must revise the Draft Permit to indicate how these Standard Permits apply to facilities at the Borger Refinery.

Because Texas's standard permit rules and the standard permits issued to Phillips 66 do not specify monitoring methods sufficient to assure compliance with applicable requirements, the Executive Director must also revise the Draft Permit to establish monitoring requirements for the standard permits. He must also revise the Statement of Basis to explain how the methods he selects are sufficient to assure compliance with applicable limits. If any of the above-listed standard permits do not establish applicable requirements that must be included in the Draft Permit, the Executive Director should remove them from the Draft Permit.

Requested Revision to the Title V Permit:

To assure compliance, the Executive Director should revise the Draft Permit to specifically identify facilities subject to requirements in each standard permit for the Borger Refinery. The Executive Director should also revise the Draft Permit to specify monitoring methods sufficient to assure compliance with standard permit requirements and to state that documents used to demonstrate compliance with standard permit requirements must be made publicly available. The Executive Director should also revise the Statement of Basis to explain how monitoring methods added to the Draft Permit assure compliance with applicable requirements.

RESPONSE 4: The commenter is correct in identifying that the standard permits identified should have appeared in the New Source Review Authorization References by Emission Units Table for those units having unit unique applicability under either federal or Texas SIP rules. A correction has been made in the proposed Draft Permit New Source Review Authorization References by Emission Units Table to add Standard Permit 87458 as the authorization for upgrading the catalyst for engine 12E6 and adding Standard Permit 90208 as the authorization for addition of the Selective Catalytic Reduction (SCR) on the Unit 41 Steam Methane Reformer (41A1). Standard Permits 100477 and 104928 added temporary boilers to provide process steam because a third-party owned and operated supplier of steam had an unplanned shutdown that was ongoing. The affected boilers are for temporary 180-day operation, and thus, do not qualify as stationary sources under 30 TAC § 122.10(30). They will have no FOP requirements other than incorporation by NSR permit reference, and thus the units will not appear on the proposed Draft Permit New Source Review Authorization References by Emission Unit Table. After the 180-day operational periods of the units represented in Standard Permits 100477 and 104928, those authorizations will no longer be valid.

See Response 2 above for an explanation of the Standard Permit monitoring requirements.

COMMENT 5: The Draft Permit Fails to Assure Compliance with Requirements in Permit No. 80799

The Draft Permit incorporates by reference Permit No. 80799, which authorizes planned MSS activities at the Borger Refinery. Draft Permit at 239. The Draft Permit fails to properly incorporate and assure compliance with Permit No. 80799 requirements, because (1) the Draft Permit's New Source Review Authorization References by Emissions Unit table fails to identify any facility or group of facilities subject to limitations and requirements in Permit No. 80799; and (2) emission points listed in Permit No. 80799 are not identified in the Draft Permit.

Where a Title V permit incorporates by reference an applicable requirement, it must unambiguously describe how the incorporated requirement(s) applies to facilities at the Title V Source. *White Paper 2* at 37 ("Any information cited, cross referenced, or incorporated by reference must be accompanied by a description or identification of the current activities, requirements, or equipment for which the information is referenced"). The Draft Permit incorporates by reference Permit No. 80799, but fails to describe the activities it authorizes and the requirements it contains, nor does it identify the facilities to which such requirements apply. Draft Permit at 239-257. Because the Draft Permit fails to describe how Permit No. 80799 applies to facilities at the Borger Refinery, it fails to assure compliance with applicable requirements.

Similarly, the Draft Permit's New Source Review Authorization References by Emission Unit table is incomplete because it omits the following facilities and/or emission points authorized by and subject to regulation under Permit No. 80799: 66FL4, MSS-VAC, MSS- AIRMOVERS, MSS-BLAST, MSS-FRAC, MSS-VES, MSS-MAINTACT, MSS-EQP, MISC- MSS, MSS-DRAINING, MSS-

CHEM, MSS-TANK, F-68-4A, F-68-4B, F-68-4C, F-68-4D, F-68-4E, F-68-4F, F-68-4G, and F-68-4H. Attachment 1 at MAERT. Because the Draft Permit fails to identify these facilities and/or emission points as part of the Title V source covered by the Draft Permit, it also fails to put readers on notice that incorporated requirements in Permit No. 80799 apply to these units. Because this is so, the Draft Permit does not identify and assure compliance with all applicable requirements.

Requested Revision to the Title V Permit:

To assure compliance with applicable requirements, the Executive Director should revise the Draft Permit to specifically identify all facilities subject to requirements in Permit No. 80799.

RESPONSE 5: See Response 2 above regarding Permit No. 80799. The MSS requirements are part of the underlying NSR permit and have no additional unique MSS requirements listed in the FOP other than by incorporation of the underlying NSR authorization in the FOP. The only exception would be if either a federally enforceable rule or a State SIP requirement included an MSS applicable requirement unique to that specific rule.

COMMENT 6: The Draft Permit Incorporates Texas’s Disapproved Affirmative Defense for Planned Maintenance, Startup, and Shutdown as a Federally Enforceable Requirement

Title V permits must assure compliance with all applicable federal requirements, including emission limits established by the Texas SIP and New Source Review permits. 42 § 7661c(a); 40 C.F.R. § 70.2 (defining “applicable requirement” to include SIP limits and terms and conditions of NSR permits). To ensure that state-only requirements listed in a Title V permit may not be read to displace federal requirements, Title V permits must identify state-only provisions and provide that they are not federally-enforceable. 40 C.F.R. § 70.6(b)(2).

While the Draft Permit incorporates by reference many SIP limits and NSR permit requirements, it also incorporates by reference 30 Tex. Admin. Code §§ 101.222(h)-(j), which establish an affirmative defense to penalties for unauthorized emissions during planned maintenance, startup, and shutdown activities. Draft Permit, Special Condition 2(I). This affirmative defense, which EPA disapproved, interferes with federal enforcement of SIP limits and NSR permit requirements by limiting the means that EPA and the public may use to compel compliance with applicable requirements. Because EPA disapproved the affirmative defense, it is not a SIP requirement and the Draft Permit must state that it is not federally-enforceable.

Though EPA disapproved Texas’s affirmative defense for planned MSS events, at least one federal court has held that unqualified incorporation of the disapproved defense into a Title V permit makes the defense federally enforceable. *Sierra Club v. Energy Future Holdings Corp.*, 2014 WL 2153913 at *11 (W.D. Texas March 28, 2014) (holding that Plaintiff’s argument that the disapproved affirmative defense incorporated by reference into a Texas Title V permit was not federally enforceable amounted to a non-justiciable collateral attack on the Title V permit). In light of this decision and EPA’s disapproval of the Commission’s affirmative defense for excess emissions during planned MSS events, the Executive Director must revise the Draft Permit to state that the affirmative defense rules at 30 Tex. Admin. Code §§ 101.222(h)-(j) are not federally enforceable and that the Commission’s affirmative defense for planned maintenance, startup, and shutdown events is not available in federal enforcement actions brought by EPA or citizen suits brought under 42 U.S.C. § 7604. 40 C.F.R. § 70.6(b)(2). Unless the Executive Director makes this revision, the Draft Permit may be read to improperly limit the ability of EPA and citizens to enforce and compel compliance with applicable requirements.

Requested Revision to the Title V Permit

The Executive Director should revise the Draft Permit to indicate that the State's disapproved affirmative defense for planned MSS excess emissions is not federally-enforceable.

- If the Executive Director contends that the affirmative defense for excess emissions during planned MSS activities is federally enforceable, Commenters ask that he provide the basis for that determination;
- If the Executive Director contends that the affirmative defense for excess emissions during planned MSS activities is not federally enforceable and that the Draft Permit does not make it so, we ask that he state that for the record.

RESPONSE 6: Authorization of planned MSS activities in the NSR permits has not been disapproved by EPA. If emissions of planned MSS exceed the permit limits, they may be subject to an affirmative defense if those emissions are of the type covered by TCEQ's affirmative defense rule. EPA approved 30 TAC § 101.222(b)-(e), which provides for an affirmative defense to emissions events and unscheduled MSS activities, provided the company makes the demonstrations required in the rules, as a revision to the SIP in 2010. However, this rule is subject to EPA's SSM SIP Call issued June 12, 2015. At this time, the rule remains a valid part of TCEQ's SIP and the approved Title V Federal Operating Permit Program. Because the Applicant has obtained NSR authorization for its MSS activities, § 101.222(h) is no longer applicable. Furthermore, EPA's disapproval of § 101.222(h), (i), and (j) were based on the time periods associated with the phase-out schedule for an affirmative defense for planned MSS. Because those time periods have passed and the opportunity to claim an affirmative defense for planned MSS has expired, the disapproval of § 101.222(h), (i), and (j) is not relevant to the issuance of this permit.

COMMENT 7: The Draft Permit May Limit Use of Any Credible Evidence to Demonstrate Non- Compliance with Applicable Requirements

1. Texas's Title V Permits Have Been Interpreted to Preclude Use of Any Credible Evidence to Demonstrate Non-Compliance in Citizen Suits

To assure compliance with applicable requirements, Title V permits must allow EPA, permitting agencies, and citizens to use any credible evidence to assess a source's compliance status and respond to noncompliance with Clean Air Act requirements. Deer Park Order at 38; 62 Fed. Reg. 8,314, 8,315, 8,318 (February 24, 1997). A Title V permit may not preclude any entity, including the EPA, citizens or the state, from using any credible evidence to enforce any provision of a Title V permit. 62 Fed. Reg. 54,900, 54,907-08 (October 22, 1997).

The Draft Permit includes Special Condition 22, which states:

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* (emphasis added).

This special condition is the only statement regarding credible evidence contained in the Draft Permit. Commenters read this condition to allow members of the public to rely on any credible evidence to demonstrate non-compliance with applicable requirements, because Phillips 66 is required to consider all such evidence before certifying compliance. This reading of the Draft Permit was, however, not adopted by the United States District Court for the Western District of Texas when it considered a different Texas Title V permit with an identical compliance certification special condition. *See*, Order Granting Motion for Partial

Summary Judgment, *Sierra Club v. Energy Future Holdings Corp.*, No. W-12-CV-108 (W.D. Tex. February 10, 2014) at 15-16. Despite permit language requiring the operator to consider all credible evidence to determine compliance, the Court held that “a concerned citizen is limited to the compliance requirements, as defined in the Title V permit, when pursuing a civil lawsuit for CAA violations.” *Id.* According to the Court, Title V permits must be read to limit applicable compliance demonstration methods to those specifically identified in a permit, because a different reading would undermine the “permit’s objective as the source-specific bible for Clean Air Act compliance.” *Id.* at 16.

- In light of this decision, we ask the Executive Director to state whether the Draft Permit, as written, limits the ability of EPA, the State, or citizens to rely on any credible evidence to demonstrate non-compliance with applicable requirements in a federal enforcement proceeding.

2. The TCEQ Has Taken the Position That Credible Evidence May Not be Used to Determine Compliance with Applicable Requirements

In a contested case hearing concerning ExxonMobil Chemical Company’s application for Permit No. 102982, authorizing construction of a new ethylene production unit at the Baytown Olefins Plant in Harris County, Protestants introduced evidence—ExxonMobil’s own Emissions Inventory Reports—to demonstrate that ExxonMobil had emitted more particulate matter than its existing permit allowed, and that exceedances of this limit triggered major NSR preconstruction permitting requirements for the proposed project. Protestants’ Exhibit No. 100, Expert Testimony of William Powers, P.E., TCEQ Docket No. 2013-0657-AIR at 35-40. In a deposition conducted prior to the contested case hearing, the TCEQ’s permit engineer testified that, “based on the best information . . . available” it was his opinion that ExxonMobil had exceeded its limit. Protestants’ Exhibit No. 106, Deposition Testimony of Kyle Virr, TCEQ Docket No. 2013-0657-AIR at 35-36.

Nonetheless, in post-hearing briefing, the Executive Director took the position that ExxonMobil’s self-reported Emissions Inventory information could not be used to demonstrate non-compliance with the applicable limit, because ExxonMobil’s Title V permit established a different and authoritative method for demonstrating compliance with applicable requirements. *Executive Director’s Reply to Closing Argument*, TCEQ Docket No. 2013-0657-AIR at 3 (“The Protestants contend, and the Executive Director does not dispute, that EI data shows that ExxonMobil reported PM emissions greater than the PM PAL cap of 365.62 tons for several years. However, TCEQ rules clearly provide that compliance with PAL limits is evidenced through annual compliance certifications under the Title V program and semi-annual reports”). In its order approving ExxonMobil’s permit application, the TCEQ adopted this position in its Findings of Facts:

91. The Semi-Annual Report (SAR) is used to determine compliance with PAL6.

93. PAL6 specifies the methods that must be used by Applicant to demonstrate compliance with the PALs. All SARs prepared by Applicant have demonstrated compliance with the PALs contained in PAL6.

Order, TCEQ Docket No. 2013-0657-AIR (February 18, 2014).

The position taken by the Executive Director in his briefing and endorsed by the Commission in its order granting ExxonMobil’s permit application appears to conflict with EPA’s position that the State, citizens, and EPA must be allowed to rely on any credible evidence to demonstrate non-compliance with applicable requirements. In light of this conflict, Commenters request that the Executive Director (1) state whether the Draft Permit, as

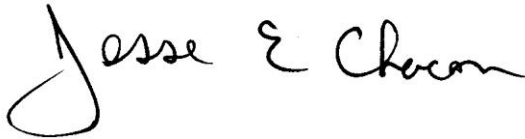
written, limits the ability of citizens, the State, or EPA to rely on any credible evidence to demonstrate non-compliance with applicable requirements; and (2) revise the Draft Permit to expressly state that Texas, citizens, and EPA may rely on any credible evidence to demonstrate non-compliance with applicable requirements.

Requested Revision to the Title V Permit

To ensure that the Draft Permit is read to allow citizens, the State, and EPA to use any credible evidence to demonstrate non-compliance with applicable requirements, Commenters request that the Executive Director revise the Draft Permit to include the following Special Condition: "Nothing in this permit shall be interpreted to preclude the use of any credible evidence to demonstrate non-compliance with any term of this permit."

RESPONSE 7: Nothing in the permit prohibits the use of credible evidence to demonstrate compliance (or noncompliance) with the applicable requirements in the permit. The Draft Permit incorporates the deviation reporting requirements of 30 TAC § 122.145 in the General Terms and Conditions. A deviation is defined in 30 TAC § 122.10(6) as "any indication of noncompliance with a term or condition of the permit as found using compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and *any other credible evidence* or information." (emphasis added). Because the permit requires credible evidence to be used in conjunction with reporting noncompliance with the terms and conditions, the ED does not see the need to revise the draft permit.

Respectfully submitted,

A handwritten signature in black ink that reads "Jesse E Chacon". The signature is written in a cursive style with a large, looped initial "J".

Jesse E. Chacon, P.E., Manager
Operating Permits Section
Air Permits Division

EXHIBIT D

Proposed Permit No. O1440

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Phillips 66 Company

AUTHORIZING THE OPERATION OF
Borger Refinery
Petroleum Refining

LOCATED AT
Hutchinson County, Texas
Latitude 35° 41' 50" Longitude 101° 22' 4"
Regulated Entity Number: RN102495884

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: 01440 Issuance Date: July 25, 2017



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. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart G, H, CC, UUU, ZZZZ and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.120, §113.130, §113.340, §113.780, §113.1090, and §113.1130, which incorporate the 40 CFR Part 63 Subparts by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

- (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
 - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
 - (3) Records of all observations shall be maintained.
 - (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

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

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

- (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the

air emission source or enclosed facility is not operating for the entire quarter.

- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

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

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
 - (4) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the

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

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
 - E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
 - F. 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)
 - G. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
 - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
 - (ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)

- G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
5. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)
 - B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)
 - C. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)
 - D. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)
 - E. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)
 - F. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - G. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - H. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems
 - I. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment
 - J. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems
 - K. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
 - L. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems
 - M. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)

- D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
7. 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(e)(1) (relating to Standards: General)
 - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)
 - D. Title 40 CFR § 61.342(g) (relating to Standards: General)
 - E. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
 - F. 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)
 - G. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
 - H. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
 - I. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
 - J. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
 - K. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
 - L. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
 - M. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
8. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
 - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)

- C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
9. 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
 10. 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.
 11. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).
 12. For the chemical manufacturing facilities subject to transfer operations requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
 - A. Title 40 CFR § 63.126(e)(1) - (2), and (f) (relating to Transfer Operations Provisions Reference Control Technology)
 - B. Title 40 CFR § 63.128(f)(1) - (2) (relating to Transfer Operations Provisions - Test Methods and Procedures)
 - C. Title 40 CFR § 63.130(e) (relating to Transfer Operations Provisions - Periodic Recordkeeping and Reporting)
 13. For sources subject to emission standards in 40 CFR Part 63, Subpart CC, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.340 incorporated by reference):
 - A. Title 40 CFR § 63.640(l)(3) - (4) (relating to Applicability and Designation of Affected Source), for units and equipment added to an existing source
 - B. Title 40 CFR § 63.640(m)(1) - (2) (relating to Applicability and Designation of Affected Source), for units and emission points changing from Group 2 to Group 1 status
 - C. Title 40 CFR § 63.642(c) (relating to General Standards), for applicability of the General Provisions of Subpart A
 - D. Title 40 CFR § 63.642(e) (relating to General Standards), for recordkeeping
 - E. Title 40 CFR § 63.642(f) (relating to General Standards), for reporting

- F. Group 1 process wastewater streams not managed in a wastewater management unit subject to 40 CFR Part 63, Subpart G shall comply with 40 CFR Part 61, Subpart FF as specified in 40 CFR §§ 63.647(a) - (c) and 63.655(a)
14. The permit holder shall comply with the requirement to prepare and implement an Operations and Maintenance plan in accordance with 40 CFR Part 63, Subpart UUU, § 63.1574(f) (Title 30 TAC Chapter 113, Subchapter C, § 113.780 incorporated by reference).

Additional Monitoring Requirements

15. 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. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
16. 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

17. 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 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
18. 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.
19. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
20. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
 - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.
21. The permit holder shall comply with the following requirements for flexible permits of 30 TAC Chapter 116:
 - A. Title 30 TAC § 116.715 (relating to General and Special Conditions)
 - B. Title 30 TAC § 116.716 (relating to Emission Caps and Individual Emission Limitations)

- C. Title 30 TAC § 116.717 (relating to Implementation Schedule for Additional Controls)
- D. Title 30 TAC § 116.718 (relating to Significant Emission Increase)
- E. Title 30 TAC § 116.720 (relating to Limitation on Physical and Operational Changes)
- F. Title 30 TAC § 116.721(a) (relating to requirements for Amendments and Alterations)

Compliance Requirements

- 22. 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.
- 23. Use of Discrete Emission Credits to comply with the applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

24. 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

25. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
 - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
 - B. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Permit Location

26. 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)

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 17

Applicable Requirements Summary 39

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
0111	STORAGE TANKS/VESSELS	N/A	60Ka	40 CFR Part 60, Subpart Ka	No changing attributes.
0202	STORAGE TANKS/VESSELS	N/A	60Ka	40 CFR Part 60, Subpart Ka	No changing attributes.
0202	STORAGE TANKS/VESSELS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
0401	STORAGE TANKS/VESSELS	N/A	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
1025	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
1025	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
10H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
1165	STORAGE TANKS/VESSELS	N/A	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
1165	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
12E1	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E2	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E3	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
12E4	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E5	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E6	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12E7	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
12H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19B1-H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19B1-H2#2	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19B1-H2#3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19B2-H4	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19H3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19H5#1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19H5#2	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
19H6	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
22H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
2510	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
2579	STORAGE TANKS/VESSELS	N/A	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
2579	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
2580	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
25H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
25V1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-B	30 TAC Chapter 111, Visible Emissions	No changing attributes.
25V1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
2673	STORAGE TANKS/VESSELS	N/A	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
2673	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
26H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
28H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
29H4	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
29P1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
29P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FLUID	40 CFR Part 60, Subpart J	No changing attributes.
29P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-1	40 CFR Part 63, Subpart UUU	No changing attributes.
2H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
2H2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
3001	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
3002	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
3003	STORAGE TANKS/VESSELS	N/A	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
3003	STORAGE TANKS/VESSELS	N/A	61FF-STORE	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
34I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-SRU	40 CFR Part 60, Subpart J	No changing attributes.
34I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-2	40 CFR Part 63, Subpart UUU	No changing attributes.
36H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
40H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
40P1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
40P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FLUID	40 CFR Part 60, Subpart J	No changing attributes.
40P1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-1	40 CFR Part 63, Subpart UUU	No changing attributes.
42H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
42H2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
42H3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
43I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-SRU	40 CFR Part 60, Subpart J	No changing attributes.
43I1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-2	40 CFR Part 63, Subpart UUU	No changing attributes.
45V1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
45V2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
4H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
4H2	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
50H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
50HT1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
50HT2	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
50HT3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
51H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
5556	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
5H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
5H2	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
5H3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
66FL1	FLARES	N/A	111.111FLARE	30 TAC Chapter 111, Visible Emissions	No changing attributes.
66FL1	FLARES	N/A	60.18-FLARE	40 CFR Part 60, Subpart A	No changing attributes.
66FL1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL1	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FL12	FLARES	N/A	111.111FLARE	30 TAC Chapter 111, Visible Emissions	No changing attributes.
66FL12	FLARES	N/A	60.18 FLARE	40 CFR Part 60, Subpart A	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
66FL12	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL12	FLARES	N/A	63H-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FL13	FLARES	N/A	60.18 FLARE	40 CFR Part 60, Subpart A	No changing attributes.
66FL13	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL13	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FL2	FLARES	N/A	111.111FLARE	30 TAC Chapter 111, Visible Emissions	No changing attributes.
66FL2	FLARES	N/A	60.18-FLARE	40 CFR Part 60, Subpart A	No changing attributes.
66FL2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL2	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.
66FL3	FLARES	N/A	111.111FLARE	30 TAC Chapter 111, Visible Emissions	No changing attributes.
66FL3	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
66FL3	FLARES	N/A	63CC-FLARE	40 CFR Part 63, Subpart A	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
66FLH1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
66FLH12	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
66FLH2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
66FLH3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
6H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
6H3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
7E1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E3	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E4	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7E5	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
7E6	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
7H2	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
7H3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
7H4	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
8001	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
81B17	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
85B2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111-FVent	30 TAC Chapter 111, Visible Emissions	No changing attributes.
85B2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-1	40 CFR Part 60, Subpart Db	No changing attributes.
85B2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
98H1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	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
98H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
9H1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
BLR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-1	40 CFR Part 60, Subpart Db	D-Series Fuel Type #1 = Natural gas.
BLR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-2	40 CFR Part 60, Subpart Db	D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.
BLR12	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-FUEL	40 CFR Part 60, Subpart Ja	No changing attributes.
BLR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
D011	STORAGE TANKS/VESSELS	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
D011	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
ENG-SC-1	SRIC ENGINES	N/A	60III-3	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SC-1	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
ENG-SD1	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD1	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD2	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD2	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD3	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD3	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD4	SRIC ENGINES	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD4	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-SD5	SRIC ENGINES	N/A	60III-2	40 CFR Part 60, Subpart III	No changing attributes.
ENG-SD5	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
F-11	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-11	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
F-1-6-PB	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-19-1	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-19-1	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-19-2	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-19-2	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-19-3	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes
F-19-3	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-2	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-2	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-2-1	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-2-1	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-4	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-4	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
F-5	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-5	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-53-2	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-6	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-66-3	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-66-FG	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-67	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
F-67	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
F-68-1S	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-68-2N	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-68-3	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-68-4TA	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-6-B	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
F-7	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-7	FUGITIVE EMISSION UNITS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes
F-81	FUGITIVE EMISSION UNITS	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
FGR-FUG	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
FWP1	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP2	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP3	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP4	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP5	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-CCHFUG	FUGITIVE EMISSION UNITS	F-10, F-28, F-32, F- 36, F-9	63CCH-ALL	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-CC-T0A	STORAGE TANKS/VESSELS	0109, 0110, 0552, 0558, 1067, 2571, 2572, 2578, 2670, 2671, 2672, 2674, 2675, 2676, 2677, 2678, 5508, 5511, 5525, 5536, 5537, 5538, 5539, 5540, 5541, 5542, 5543, 5544, 5545, 5546, 5548, 5587, 5588, 5589, 5590, 5598, 8011, 8012, 8013, 8015, 8033, 9200, 9504	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-CC-T0C	STORAGE TANKS/VESSELS	9700, 9701, 9702	60Ka	40 CFR Part 60, Subpart Ka	No changing attributes.
GRP-CC-T0D	STORAGE TANKS/VESSELS	5531, 5596, 9202	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-CCVV-FUG	FUGITIVE EMISSION UNITS	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F- 2-5, F-26, F-29, F- 34, F-35, F-40, F- 41, F-42, F-43, F- 44, F-50, F-51, F- 53-1, F-56, F-66-1, F-66-2, F-68-1A, F- 68-1E, F-68-1N, F- 68-1R, F-68-1T, F- 68-1W, F-68-2S, F- 68-4N, F-68-4T, F- 68-5, F-6-A, F-98, SGC-FUG	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-EBCENG	SRIC ENGINES	ENG-EB1, ENG-EB2, ENG-EB3, ENG-EB4, ENG-EB5, ENG-EB6, ENG-EB7, ENG-EB8, ENG-EB9	60III-3	40 CFR Part 60, Subpart III	No changing attributes.
GRP-EBCENG	SRIC ENGINES	ENG-EB1, ENG-EB2, ENG-EB3, ENG-EB4, ENG-EB5, ENG-EB6, ENG-EB7, ENG-EB8, ENG-EB9	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-FF-T3A	STORAGE TANKS/VESSELS	UF17, VF02, VF03, VF04	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
GRP-FF-T3A	STORAGE TANKS/VESSELS	UF17, VF02, VF03, VF04	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-FF-T3B	STORAGE TANKS/VESSELS	DD21, HG86	61FF	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
GRP-FF-T5A	STORAGE TANKS/VESSELS	VG49, VG50	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
GRP-KB-ECC	STORAGE TANKS/VESSELS	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-ECC	STORAGE TANKS/VESSELS	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T1A	STORAGE TANKS/VESSELS	1003, 1004, 1006, 1007	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T1C	STORAGE TANKS/VESSELS	2072, 2577, 5520, 8031	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T1C	STORAGE TANKS/VESSELS	2072, 2577, 5520, 8031	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T2A	STORAGE TANKS/VESSELS	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-KB-T2A	STORAGE TANKS/VESSELS	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T2B	STORAGE TANKS/VESSELS	0512, 1011, 1164, 1522, 2552, 2553, 2575, 5559, 5560	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T2C	STORAGE TANKS/VESSELS	5591, 8010, 8014, 9201	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T2C	STORAGE TANKS/VESSELS	5591, 8010, 8014, 9201	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-T3B	STORAGE TANKS/VESSELS	1012, 1013	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-KB-T3B	STORAGE TANKS/VESSELS	1012, 1013	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-KB-TK3	STORAGE TANKS/VESSELS	0572, 0573	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
GRP-LOAD	LOADING/UNLOADING OPERATIONS	53R3, 53R4, 53T2	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-QQQ-T4	STORAGE TANKS/VESSELS	9600, 9601	60QQQ	40 CFR Part 60, Subpart QQQ	No changing attributes.
GRP-QQQ-T4	STORAGE TANKS/VESSELS	9600, 9601	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-RFUEL	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	10H1, 12H1, 19B1/19H1, 19B1- H2#2, 19B2-H4, 19H3, 19H5#1, 19H5#2, 19H6, 22H1, 25H1, 26H1, 28H1, 29H4, 2H1, 2H2, 36H1, 40H1, 41H1, 42H1, 42H2, 42H3, 4H1, 4H2, 50H1, 50HT1, 50HT2, 50HT3, 51H1, 5H1, 5H2, 5H3, 6H1, 6H3, 7H1, 7H2, 7H3, 7H4, 81B17, 9H1	60J-FUEL	40 CFR Part 60, Subpart J	No changing attributes.
GRP-TANK	STORAGE TANKS/VESSELS	8035, 8036, 8037, 9400, 9401	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-V100	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	41H1, 81B17, BLR12, SKIDBLR	111-LVent	30 TAC Chapter 111, Visible Emissions	No changing attributes.
MEROX	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC-FLARE	40 CFR Part 63, Subpart CC	No changing attributes.
SKIDBLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-1	40 CFR Part 60, Subpart Db	FACILITY TYPE = The affected facility does not include a fuel gas combustion device., D-SERIES FUEL TYPE = Natural Gas

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
SKIDBLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-2	40 CFR Part 60, Subpart Db	FACILITY TYPE = The affected facility includes a fuel gas combustion device., MONITORING DEVICE = An instrument is in place for continuous monitoring and recording the concentration (dry basis) of hydrogen sulfide in fuel gasses before being burned in any fuel gas combustion device., COMMON FUEL SOURCE = The fuel gas combustion device has a common fuel source with other fuel gas combustion devices., D-SERIES FUEL TYPE #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.
SKIDBLR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-FUEL	40 CFR Part 60, Subpart Ja	No changing attributes.
SKIDBLR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
SKIDBLRFUG	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
VD114	STORAGE TANKS/VESSELS	N/A	61FF	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
VD114	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
VG08	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
0111	EU	60Ka	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
0202	EU	60Ka	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
0202	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
0401	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
1025	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 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(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(e) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 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)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1025	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.11 § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(m) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(e)(1) § 63.120(e)(4) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d) § 63.646(b)(1)	[G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) § 63.655(i)(1)(iv) § 63.655(i)(5)	[G]§ 63.120(e)(2) § 63.122(c)(2) [G]§ 63.122(g)(3) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(5) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
10H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1165	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
1165	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E1	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1a.1.a § 63.6595(c) § 63.6600(a)- Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E2	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1a.1.a § 63.6595(c) § 63.6600(a)- Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E3	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1a.1.a § 63.6595(c) § 63.6600(a)- Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E4	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1a.1.a § 63.6595(c) § 63.6600(a)- Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E5	EU	63ZZZZ-6	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)- Table1a.1.a § 63.6595(c) § 63.6600(a)- Table1b.2 § 63.6605(a) § 63.6605(b) § 63.6620(f) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must reduce formaldehyde emissions by 76% or more.	§ 63.6610(a) § 63.6610(b) § 63.6610(c) [G]§ 63.6610(d) § 63.6615 § 63.6620(a) § 63.6620(a)- Table4.2.a.i § 63.6620(a)- Table4.2.a.ii § 63.6620(a)- Table4.2.a.iii § 63.6620(a)- Table4.2.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) § 63.6620(e)(1) § 63.6620(f) [G]§ 63.6625(b) § 63.6630(a)- Table5.8.a.i § 63.6630(a)- Table5.8.a.ii § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)- Table6.5.a.i § 63.6640(a)- Table6.5.a.ii § 63.6640(a)- Table6.5.a.iii § 63.6640(b)	§ 63.6620(i) § 63.6630(a)- Table5.8.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a)- Table7.1.a.i § 63.6650(a)- Table7.1.a.ii § 63.6650(a)- Table7.1.b § 63.6650(a)- Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E6	EU	63ZZZZ-3	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.11 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 4SRB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of HCHO in the stationary RICE exhaust to 10.3 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.iv § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12E7	EU	63ZZZZ-3	FORMALD EHYDE	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.11 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 4SRB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of HCHO in the stationary RICE exhaust to 10.3 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.iv § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	[G]§ 63.6620(h) § 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12H1	EU	63DDDDD-5-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(12)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19B1-H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19B1-H2#2	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19B1-H2#3	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19B2-H4	EU	63DDDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19H3	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19H5#1	EU	63DDDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19H5#2	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
19H6	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
22H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2510	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4) § 63.646(b)(1) § 63.646(e)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) [G]§ 63.655(h)(6)
2579	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2579	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
2580	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
25H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
25V1	EP	R1111-B	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 ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
25V1	EP	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(1)	All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	[G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2)	§ 63.655(g)(7)(ii) § 63.655(i)(5)	§ 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i)
2673	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2673	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
26H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
28H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
29H4	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
29P1	EP	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	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)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
29P1	EU	60J-FLUID	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(b)(3) § 60.104(c) § 60.108(b)	For each affected fluid catalytic cracking unit catalyst regenerator, process in the fluid catalytic cracking unit fresh feed that has a total sulfur content no greater than 0.30 percent by weight.	§ 60.106(a) § 60.106(g) [G]§ 60.106(j) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.107(b)(3) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) [G]§ 60.107(c)(3) § 60.107(c)(6) § 60.107(d) § 60.107(f) § 60.107(g) § 60.108(e)
29P1	EU	60J-FLUID	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.105(a)(2)	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).	§ 60.105(a)(2) § 60.105(a)(2)(i) § 60.106(a) § 60.106(d)	§ 60.105(a)(2) § 60.105(c)	§ 60.105(e)(2) § 60.107(f) § 60.107(g)
29P1	EU	60J-FLUID	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.106(a) § 60.106(b) § 60.106(b)(1) § 60.106(b)(2) [G]§ 60.106(b)(3) ** See CAM Summary	§ 60.105(c)	§ 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
29P1	EU	60J-FLUID	PM (OPACITY)	40 CFR Part 60, Subpart J	§ 60.102(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	§ 60.105(a)(1) § 60.106(a) § 60.106(b) § 60.106(b)(4) ** See CAM Summary	§ 60.105(a)(1) § 60.105(c)	§ 60.105(e)(1) § 60.107(f) § 60.107(g)
29P1	EU	63UUU-1	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table9.1 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(b)(3) § 63.1565(b)(4) § 63.1565(b)(4)-Table12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)	For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 or electing to comply with the NSPS requirements (Option 1), CO emissions from the catalyst regenerator vent or CO boiler serving the CCU must not exceed 500 parts per million volume (ppmv) (dry basis).	§ 63.1565(b)(1) § 63.1565(b)(1)-Table10.1 § 63.1565(c)(1)-Table13.1 § 63.1565(c)(1)-Table14.1 [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table40.2 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2)	§ 63.1565(b)(1)-Table10.1 § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
29P1	EU	63UUU-1	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 kg/1,000 kg (1.0 lb/1,000 lbs) of coke burn-off in the catalyst regenerator and, if applicable, the incremental rate of PM emissions must not exceed 43.0 g/GJ (0.10 lb/MMBtu) of heat input attributable to auxiliary or supplemental fired liquid or solid fossil fuel.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
29P1	EU	63UUU-1	PM (OPACITY)	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2H2	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3001	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
3002	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3003	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
3003	EU	61FF-STORE	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3411	PRO	60J-SRU	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any Claus sulfur recovery plant with a reduction control system followed by incineration any gases containing in excess of 250 ppm by volume of SO ₂ at zero percent excess air.	[G]§ 60.105(a)(5) § 60.106(a) [G]§ 60.106(f) ** See CAM Summary	[G]§ 60.105(a)(5)	§ 60.105(e)(4)(i) § 60.107(d) § 60.107(f) § 60.107(g)
3411	EU	63UUU-2	SO ₂	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table35.1 § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing Claus SRU part of a sulfur recovery plant of 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2), you must meet the emission limit for each process vent of 250ppmv (dry basis) of sulfur dioxide (SO ₂) at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1572(a)(1)-Table40.4 § 63.1572(a)(1)-Table40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
36H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
40P1	EP	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	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)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

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40P1	EU	60J-FLUID	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(b)(3) § 60.104(c) § 60.108(b)	For each affected fluid catalytic cracking unit catalyst regenerator, process in the fluid catalytic cracking unit fresh feed that has a total sulfur content no greater than 0.30 percent by weight.	§ 60.106(a) § 60.106(g) [G]§ 60.106(j) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.107(b)(3) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) [G]§ 60.107(c)(3) § 60.107(c)(6) § 60.107(d) § 60.107(f) § 60.107(g) § 60.108(e)
40P1	EU	60J-FLUID	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.105(a)(2)	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).	§ 60.105(a)(2) § 60.105(a)(2)(i) § 60.106(a) § 60.106(d)	§ 60.105(a)(2) § 60.105(c)	§ 60.105(e)(2) § 60.107(f) § 60.107(g)
40P1	EU	60J-FLUID	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.106(a) § 60.106(b) § 60.106(b)(1) § 60.106(b)(2) [G]§ 60.106(b)(3) ** See CAM Summary	§ 60.105(c)	§ 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40P1	EU	60J-FLUID	PM (OPACITY)	40 CFR Part 60, Subpart J	§ 60.102(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	§ 60.105(a)(1) § 60.106(a) § 60.106(b) § 60.106(b)(4) ** See CAM Summary	§ 60.105(a)(1) § 60.105(c)	§ 60.105(e)(1) § 60.107(f) § 60.107(g)
40P1	EU	63UUU-1	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table9.1 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(b)(3) § 63.1565(b)(4) § 63.1565(b)(4)-Table12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)	For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 or electing to comply with the NSPS requirements (Option 1), CO emissions from the catalyst regenerator vent or CO boiler serving the CCU must not exceed 500 parts per million volume (ppmv) (dry basis).	§ 63.1565(b)(1) § 63.1565(b)(1)-Table10.1 § 63.1565(c)(1)-Table13.1 § 63.1565(c)(1)-Table14.1 [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table40.2 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2)	§ 63.1565(b)(1)-Table10.1 § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40P1	EU	63UUU-1	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 kg/1,000 kg (1.0 lb/1,000 lbs) of coke burn-off in the catalyst regenerator and, if applicable, the incremental rate of PM emissions must not exceed 43.0 g/GJ (0.10 lb/MMBtu) of heat input attributable to auxiliary or supplemental fired liquid or solid fossil fuel.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40P1	EU	63UUU-1	PM (OPACITY)	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.1 § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(5) § 63.1564(b)(5)-Table5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table7.1 § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table3.1 § 63.1564(c)(1)-Table6.1.a.i § 63.1572(b) § 63.1572(b)(1)-Table40.1 § 63.1572(b)(2) § 63.1572(b)(3) [G]§ 63.1572(d)	§ 63.1564(b)(1)-Table3.1 § 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
42H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
42H2	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
42H3	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
4311	PRO	60J-SRU	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any Claus sulfur recovery plant with a reduction control system followed by incineration any gases containing in excess of 250 ppm by volume of SO ₂ at zero percent excess air.	[G]§ 60.105(a)(5) § 60.106(a) [G]§ 60.106(f) ** See CAM Summary	[G]§ 60.105(a)(5)	§ 60.105(e)(4)(i) § 60.107(d) § 60.107(f) § 60.107(g)
4311	EU	63UUU-2	SO ₂	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table35.1 § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	For each new or existing Claus SRU part of a sulfur recovery plant of 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2), you must meet the emission limit for each process vent of 250ppmv (dry basis) of sulfur dioxide (SO ₂) at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1572(a)(1)-Table40.4 § 63.1572(a)(1)-Table40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1570(c) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
45V1	EP	63G	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(2) § 63.113(h) [G]§ 63.115(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1)(i) § 63.114(e) [G]§ 63.115(f) [G]§ 63.116(c)	§ 63.114(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.114(e) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
45V2	EP	63G	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(2) § 63.113(h) [G]§ 63.115(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1)(i) § 63.114(e) [G]§ 63.115(f) [G]§ 63.116(c)	§ 63.114(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.114(e) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
4H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
4H2	EU	63DDDDD-5-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(12)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
50H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
50HT1	EU	63DDDDD-5-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(12)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
50HT2	EU	63DDDDD-5-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(12)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
50HT3	EU	63DDDDD-5-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(12)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
51H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5556	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii) § 63.646(b)(1) § 63.646(e)	§ 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(a)(5) § 63.120(a)(6) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(i) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5H2	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5H3	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
66FL1	EU	111.111F LARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL1	CD	60.18-FLARE	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
66FL1	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
66FL1	CD	63CC-FLARE	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

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL12	EU	111.111F LARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
66FL12	CD	60.18 FLARE	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
66FL12	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL12	CD	63H-FLARE	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
66FL13	CD	60.18 FLARE	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
66FL13	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL13	CD	63CC-FLARE	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
66FL2	EU	111.111FLARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
66FL2	CD	60.18-FLARE	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 ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL2	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
66FL2	CD	63CC-FLARE	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
66FL3	EU	111.111FLARE	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FL3	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
66FL3	CD	63CC-FLARE	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
66FLH1	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
66FLH12	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)
66FLH2	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)
66FLH3	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
6H1	EU	63DDDDD-10-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.2 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.2 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(11)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
6H3	EU	63DDDDD-5-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(12)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E1	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E2	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E3	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E4	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E5	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7E6	EU	63ZZZZ-1	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.9 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start 2SLB stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 500 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 225 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7H2	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7H3	EU	63DDDDD-10-	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.2 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.2 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(a)(11)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
7H4	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
8001	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8) [G]§ 63.646(f) § 63.646(g)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4) § 63.646(b)(1) § 63.646(e)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) [G]§ 63.655(h)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
81B17	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
85B2	EP	111-FVent	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	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)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

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85B2	EU	60Db-1	SO ₂	40 CFR Part 60, Subpart Db	§ 60.104(a)(1) § 60.104	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4)	§ 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 60.107(f)
85B2	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

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85B2	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
85B2	EU	60Db-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
85B2	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
98H1	EP	R1111-1	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

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
98H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
9H1	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
BLR12	EU	60Db-1	SO2	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLR12	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BLR12	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BLR12	EU	60Db-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/Jl (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLR12	EU	60Db-2	SO ₂	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.
BLR12	EU	60Db-2	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BLR12	EU	60Db-2	NO _x	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BLR12	EU	60Ja-FUEL	H ₂ S	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
BLR12	EU	63DDDDD-new	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7495(a) § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7510(g) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7545(a) § 63.7545(c) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
D011	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 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)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(G) [G]§ 61.356(f)(3) § 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)	None
D011	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SC-1	EU	60III-3	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4201(d)(1)-(3) and 40 CFR 60.4201(e)(1)-(2) and 40 CFR 94.8(a)(2) and 40 CFR 1042.101.	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
ENG-SC-1	EU	60III-3	Total Hydrocarbons/NO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 7.8 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SC-1	EU	60III-3	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a PM emission limit of 0.27 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
ENG-SC-1	EU	63ZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD1	EU	60III-1	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-SD1	EU	60III-1	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD1	EU	60III-1	PM (OPACITY)	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD1	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with a PM emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).	None	None	None
ENG-SD1	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD2	EU	60III-1	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-SD2	EU	60III-1	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD2	EU	60III-1	PM (OPACITY)	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD2	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with a PM emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).	None	None	None
ENG-SD2	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD3	EU	60III-1	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-SD3	EU	60III-1	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD3	EU	60III-1	PM (OPACITY)	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD3	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with a PM emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).	None	None	None
ENG-SD3	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD4	EU	60III-1	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-SD4	EU	60III-1	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD4	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with a PM emission limit of 0.02 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	[G]§ 60.4214(d)
ENG-SD4	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD5	blank	60III-2	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW and less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-SD5	blank	60III-2	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW but less than 37 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2012 model year must comply with an NMHC+NO _x emission limit of 7.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD5	blank	60III-2	PM (OPACITY)	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-SD5	blank	60III-2	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW and less than 56 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2012 model year must comply with a PM emission limit of 0.30 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102.	None	None	None
ENG-SD5	EU	63ZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-11	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-11	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-1-6-PB	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-19-1	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-19-1	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-19-2	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-19-2	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-19-3	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-19-3	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-2	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-2	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-2-1	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-2-1	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-4	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-4	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-5	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-5	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-53-2	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-6	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-66-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-66-FG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-67	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-67	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-68-1S	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-68-2N	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-68-3	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-68-4TA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-6-B	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-7	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
F-7	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(b) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for vapor recovery systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(c) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
F-81	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FGR-FUG	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a [G]§ 60.487a	None
FWP1	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FWP2	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
FWP3	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
FWP4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FWP5	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.163 [G]§ 63.171 [G]§ 63.176 § 63.648(f) § 63.655(d)(2)	Comply with the specified Subpart H requirements for pumps in light liquid service, instrument readings that define a leak are specified in Subpart CC, table 2.	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(6) § 63.648(c)(7) § 63.648(c)(8)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for non-reciprocating pumps in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.164 [G]§ 63.171 § 63.648(i) § 63.655(d)(2)	Comply with the specified Subpart H requirements for compressors which are not in hydrogen service.	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.165 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for pressure relief devices in gas/vapor service.	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for pressure relief device in liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.166 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for sampling connection systems.	[G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.167 [G]§ 63.171 [G]§ 63.175 § 63.655(d)(2)	Comply with the specified Subpart H requirements for open-ended valves and lines.	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(9) [G]§ 63.181(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.168 [G]§ 63.171 [G]§ 63.175 § 63.648(c)(9) § 63.655(d)(2)	Comply with the specified Subpart H requirements for valves in gas/vapor and light liquid service, instrument readings defining a leak are specified in Subpart CC, table 2.	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(8)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for valves in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(c)(5) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.649(a) § 63.655(d)(2)	Connectors in gas/vapor or light liquid are subject to the requirements in heavy liquid service in §63.169. The leak definition for specified systems subject to §63.169 is 1,000 parts per million.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(4)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for connectors in heavy liquid service.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2)	Comply with the specified Subpart H requirements for instrumentation systems.	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(j)(1) § 63.172(j)(2) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for closed vent systems.	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) § 63.172(j)(1) § 63.172(j)(2) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b)	§ 63.118(a)(3) § 63.172(j)(1) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.172(b) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for vapor recovery systems.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.172(c) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for enclosed combustion devices.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 63.11(b) § 63.172(d) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2)	Comply with the specified Subpart H requirements for flares.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	[G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(D)
GRP-CCHFUG	EU	63CCH-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CC-T0A	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-CC-T0C	EU	60Ka	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
GRP-CC-T0D	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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]§ 63.648(b)	[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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-CCVVFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c), if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

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GRP-EBCENG	EU	60III-3	CO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4201(d)(1)-(3) and 40 CFR 60.4201(e)(1)-(2) and 40 CFR 94.8(a)(2) and 40 CFR 1042.101.	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
GRP-EBCENG	EU	60III-3	Total Hydrocarbons/NO	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 7.8 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-EBCENG	EU	60III-3	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 60.4201(d)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 94.8(a)(2)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a PM emission limit of 0.27 g/KW-hr, as stated in 40 CFR 60.4201(d)(1) and 40 CFR 94.8(a)(2).	None	[G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
GRP-EBCENG	EU	63ZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-FF-T3A	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 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)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 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)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
GRP-FF-T3A	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-FF-T3B	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 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)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 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)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-FF-T5A	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
GRP-KB-ECC	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-ECC	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRP-KB-T1A	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-TIC	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
GRP-KB-TIC	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T2A	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
GRP-KB-T2A	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T2B	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
GRP-KB-T2C	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T2C	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRP-KB-T3B	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-KB-T3B	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)	Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRP-KB-TK3	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i) [G]§ 60.485(b)	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-LOAD	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.650(a) § 60.502(a) § 60.502(d) § 60.502(g) § 60.502(h) § 60.502(i) § 63.422(a) § 63.422(b) § 63.427(b)	A gasoline loading rack classified under SIC 2911 located within a contiguous area and under common control with a petroleum refinery shall comply with specified sections.	§ 60.503(a) § 60.503(b) § 60.503(d) § 60.503(d)(1) § 60.503(d)(2) § 63.425(a) § 63.425(b) § 63.425(b)(1) § 63.425(b)(2) § 63.425(b)(3) § 63.427(a) § 63.427(a)(3) § 63.427(b) § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4)	§ 60.503(d)(2) § 63.425(b)(1) § 63.425(c) § 63.428(c)(1) § 63.428(c)(2) § 63.428(c)(2)(i) § 63.642(e) § 63.655(b) § 63.655(i)(5)	§ 63.428(c)(2) § 63.428(c)(2)(i) § 63.428(h)(1) § 63.642(d)(2) § 63.642(f) § 63.655(b)
GRP-QQQ-T4	EU	60QQQ	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-5(b) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.695(b) § 60.696(a) [G]§ 60.696(b)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii)	§ 60.695(b) § 60.698(b)(1) § 60.698(e)

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GRP-QQQ-T4	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRP-RFUEL	EU	60J-FUEL	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
GRP-TANK	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

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GRP-V100	EP	111-LVent	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
MEROX	EP	63CC-FLARE	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a) § 63.11(b) § 63.643(a)(1)	The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2).	§ 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.642(e) § 63.655(h)(1) § 63.655(i)(5)	§ 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1)
SKIDBLR	EU	60Db-1	SO2	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.

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SKIDBLR	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
SKIDBLR	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
SKIDBLR	EU	60Db-1	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/Jl (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)

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SKIDBLR	EU	60Db-2	SO2	40 CFR Part 60, Subpart Db	§ 60.100a(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja.	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja.
SKIDBLR	EU	60Db-2	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
SKIDBLR	EU	60Db-2	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SKIDBLR	EU	60Db-2	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)
SKIDBLR	EU	60Ja-FUEL	H ₂ S	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SKIDBLR	EU	63DDDDD-10+	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7490(b) § 63.7490(d) § 63.7495(b) § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.4 § 63.7500(a)(3) § 63.7505(a) § 63.7510(e) § 63.7515(d)	You must meet each emission limit and work practice standard in Table 3 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522.	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)-Table 3.4 § 63.7515(d) § 63.7540(a)(10) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v)	[G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(h) [G]§ 63.7560	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(6) § 63.7545(e)(7) [G]§ 63.7545(e)(8) [G]§ 63.7545(f) [G]§ 63.7545(h) § 63.7550(a)-Table 9 § 63.7550(b) § 63.7550(b)(1) § 63.7550(b)(2) § 63.7550(b)(3) § 63.7550(b)(4) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition I.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SKIDBLRFUG	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a [G]§ 60.482-10a [G]§ 60.482-1a [G]§ 60.482-2a [G]§ 60.482-3a [G]§ 60.482-4a [G]§ 60.482-5a [G]§ 60.482-6a [G]§ 60.482-7a [G]§ 60.482-8a [G]§ 60.482-9a [G]§ 60.483-1a [G]§ 60.483-2a [G]§ 60.592a [G]§ 60.593a	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa.	[G]§ 60.485a	[G]§ 60.486a	[G]§ 60.487a
SKIDBLRFUG	EU	63CC	112B(HAPS)	40 CFR Part 63, Subpart CC	§ 63.640(p)(2)	Equipment leaks that are also subject to the provisions of 40 CFR Part 60, subpart GGGa, are required to comply only with the provisions specified in 40 CFR part 60, subpart GGGa.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
VD114	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 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)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(8) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.354(c) § 61.354(c)(8) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3)	§ 61.357(d)(7) § 61.357(d)(7)(iv)
VD114	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
VG08	EP	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(1)	All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	[G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2)	§ 63.655(g)(7)(ii) § 63.655(i)(5)	§ 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i)

Additional Monitoring Requirements

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CAM Summary

Unit/Group/Process Information	
ID No.: 29P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM	Main Standard: § 60.102(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 29P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM (OPACITY)	Main Standard: § 60.102(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 34I1	
Control Device ID No.: 34I1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-SRU
Pollutant: SO ₂ ,	Main Standard: § 60.104(a)(2)(i)
Monitoring Information	
Indicator: SO ₂ concentration	
Minimum Frequency: 4 times/hour	
Averaging Period: 12 hours	
Deviation Limit: >250 ppmv SO ₂ at 0% excess air	
<p>CAM Text: The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, procedure 1. 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 applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. Quality-assured (or valid) data must be generated when the facility (TGI) is operating except during the performance of a daily zero and span check. loss of valid data due to periods of monitor breakdown, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the facility generating emissions operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of SO₂. 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 No's. 1 through 9, 40 CFR Part 60, Appendix B.</p> <p>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, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). Successive quarterly audits shall occur no closer than two months.</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 40P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM	Main Standard: § 60.102(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 40P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM (OPACITY)	Main Standard: § 60.102(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>CAM Text: The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13. Quality assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due periods of monitor breakdown, out-of control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP). The COMS shall meet the requirements of 40 CFR Part 60, Section 60.13 and 40 CFR Part 60, Appendix B Performance Specification No. 1. Monitoring data shall be recorded and maintained as specified in 40 CFR 60.7 (c), (d), (e) and (f).</p>	

CAM Summary

Unit/Group/Process Information	
ID No.: 43I1	
Control Device ID No.: 43I1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-SRU
Pollutant: SO ₂ ,	Main Standard: § 60.104(a)(2)(i)
Monitoring Information	
Indicator: SO ₂ concentration	
Minimum Frequency: 4 times/hour	
Averaging Period: 12 hours	
Deviation Limit: >250 ppmv SO ₂ at 0% excess air	
<p>CAM Text: The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, procedure 1. 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 applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. Quality-assured (or valid) data must be generated when the facility (TGI) is operating except during the performance of a daily zero and span check. loss of valid data due to periods of monitor breakdown, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5% of the time (in minutes) that the facility generating emissions operated over the previous rolling 12-month period.</p> <p>The permit holder shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of SO₂. 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 No.s. 1 through 9, 40 CFR Part 60, Appendix B.</p> <p>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, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). Successive quarterly audits shall occur no closer than two months.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 25V1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-B
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Once per quarter	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 20%	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded during each calendar quarter unless the emission unit is not operating for the entire quarter. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. 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. A certified opacity reader is not required for visible emission observations. 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 a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 98H1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15%	
<p>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.</p> <p>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.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-V100	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-LVent
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 15% opacity.	
<p>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.</p> <p>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.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

Permit Shield

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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		
0111	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
0111	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
0202	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
0202	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
0401	N/A	40 CFR Part 63, Subpart CC	CC and Kb tanks only have to comply with Kb regulations.
0401	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
0401	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
1025	N/A	40 CFR Part 60, Subpart QQQ	Group 1 wastewater tank is complying with 40 CFR Part 63, Subpart CC.
1165	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

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		
1165	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
2510	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
2510	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
2510	N/A	40 CFR Part 63, Subpart R	Refinery complying with 40 CFR Part 63, Subpart CC is not subject to Subpart R standards for storage vessels.
2673	N/A	40 CFR Part 60, Subpart QQQ	Group 1 wastewater tank is complying with 40 CFR Part 63, Subpart CC.
2673	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
2673	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
3001	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

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		
3002	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
3003	N/A	40 CFR Part 63, Subpart CC	CC and Kb tanks only have to comply with Kb regulations.
3003	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
3003	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
5556	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
5556	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
5556	N/A	40 CFR Part 63, Subpart R	Refinery complying with 40 CFR Part 63, Subpart CC is not subject to Subpart R standards for storage vessels.
8001	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

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		
8001	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
81B17	N/A	40 CFR Part 60, Subpart Dc	The maximum design capacity is > 100 MMBtu/hr
93E1	N/A	40 CFR Part 63, Subpart ZZZZ	Existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.
93E2	N/A	40 CFR Part 63, Subpart ZZZZ	Existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.
98H1	N/A	40 CFR Part 60, Subpart J	Heater uses only purchased natural gas.
D011	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
D011	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

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		
F-11	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-11	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-11	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-11	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-11	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-11	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-13	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-13	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).

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		
F-1-6-PB	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-1-7OLD	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-1-7OLD	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-19-1	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-19-1	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-19-1	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-19-1	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-19-1	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-19-1	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).

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		
F-19-2	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-19-2	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-19-2	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-19-2	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-19-2	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-19-2	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-19-3	N/A	40 CFR Part 60, Subpart KKK	Facility is not an onshore natural gas processing plant.
F-19-3	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-2	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.

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		
F-2	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-2	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-2	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-2	N/A	40 CFR Part 61, Subpart V	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-2	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-2	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-2	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).

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		
F-2-1	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-2-1	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-2-1	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-2-1	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-2-1	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-2-1	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-4	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-4	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.

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		
F-4	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-4	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-4	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-4	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-5	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-5	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-5	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-5	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.

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		
F-5	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-5	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-5	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6)
F-54-C21	N/A	40 CFR Part 61, Subpart FF	Not associated with coke by-product handling.
F-54-C21	N/A	40 CFR Part 63, Subpart Q	Chromium is not used.
F-6	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-6	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-6	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.

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		
F-6	N/A	40 CFR Part 61, Subpart V	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-6	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a)
F-6	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-6	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
F-66-3	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-66-3	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-66-3	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).

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		
F-66-FG	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-68-1S	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-68-1S	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-68-2N	N/A	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-68-3	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-68-4TA	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.

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		
F-6-B	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-7	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were reconstructed/modified after November 7, 2006.
F-7	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-7	N/A	40 CFR Part 60, Subpart VV	Doesn't produce an applicable chemical.
F-7	N/A	40 CFR Part 61, Subpart J	Sources do not operate in benzene service.
F-7	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
F-7	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
F-7	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).

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		
F-81	N/A	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
F-81	N/A	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
F-81	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
FGR-FUG	N/A	40 CFR Part 60, Subpart GGG	Not an affected facility per 60.590(a)(1)
FGR-FUG	N/A	40 CFR Part 60, Subpart KKK	The facility is not in an onshore natural gas processing plant.
FGR-FUG	N/A	40 CFR Part 63, Subpart CC	MACT CC does not apply to refinery fuel gas systems.
FGR-FUG	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a).
FGR-FUG	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.
FGR-FUG	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6)

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, subpart CC are not required to comply with any standards of Part 60 and 61 which were promulgated before September 4, 2007.
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 60, Subpart VV	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-CCHFUG	F-10, F-28, F-32, F-36, F-9	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CC-T0A	0109, 0110, 0552, 0558, 1067, 2571, 2572, 2578, 2670, 2671, 2672, 2674, 2675, 2676, 2677, 2678, 5508, 5511, 5525, 5536, 5537, 5538, 5539, 5540, 5541, 5542, 5543, 5544, 5545, 5546, 5548, 5587, 5588, 5589, 5590, 5598, 8011, 8012, 8013, 8015, 8033, 9200, 9504	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-CC-T0A	0109, 0110, 0552, 0558, 1067, 2571, 2572, 2578, 2670, 2671, 2672, 2674, 2675, 2676, 2677, 2678, 5508, 5511, 5525, 5536, 5537, 5538, 5539, 5540, 5541, 5542, 5543, 5544, 5545, 5546, 5548, 5587, 5588, 5589, 5590, 5598, 8011, 8012, 8013, 8015, 8033, 9200, 9504	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-CC-T0C	9700, 9701, 9702	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-CC-T0C	9700, 9701, 9702	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-CC-T0D	5531, 5596, 9202	40 CFR Part 60, Subpart Kb	Tanks that contain material less than 0.5 vapor pressure are exempt from Kb.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CC-T0D	5531, 5596, 9202	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-CC-T0D	5531, 5596, 9202	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-CCVVFUG	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F-2-5, F-26, F-29, F-34, F-35, F-40, F-41, F-42, F-43, F-44, F-50, F-51, F-53-1, F-56, F-66-1, F-66-2, F-68-1A, F-68-1E, F-68-1N, F-68-1R, F-68-1T, F-68-1W, F-68-2S, F-68-4N, F-68-4T, F-68-5, F-6-A, F-98, SGC-FUG	40 CFR Part 60, Subpart GGG	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-CCVVFUG	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F-2-5, F-26, F-29, F-34, F-35, F-40, F-41, F-42, F-43, F-44, F-50, F-51, F-53-1, F-56, F-66-1, F-66-2, F-68-1A, F-68-1E, F-68-1N, F-68-1R, F-68-1T, F-68-1W, F-68-2S, F-68-4N, F-68-4T, F-68-5, F-6-A, F-98, SGC-FUG	40 CFR Part 60, Subpart KKK	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CCVVFUG	F-12, F-1-42, F-1-6, F-1-7, F-2-109/111, F-22, F-23, F-25, F-2-5, F-26, F-29, F-34, F-35, F-40, F-41, F-42, F-43, F-44, F-50, F-51, F-53-1, F-56, F-66-1, F-66-2, F-68-1A, F-68-1E, F-68-1N, F-68-1R, F-68-1T, F-68-1W, F-68-2S, F-68-4N, F-68-4T, F-68-5, F-6-A, F-98, SGC-FUG	40 CFR Part 61, Subpart J	Equipment leaks that are subject to 40 CFR Part 63, Subpart CC are not required to comply with any standards of Parts 60 and 61 which were promulgated before September 4, 2007.
GRP-FF-T3A	UF17, VF02, VF03, VF04	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-FF-T3A	UF17, VF02, VF03, VF04	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-FF-T3B	DD21, HG86	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-FF-T3B	DD21, HG86	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-FF-T5A	VG49, VG50	40 CFR Part 60, Subpart Kb	The capacity is less than 40 cubic meters.
GRP-FF-T5A	VG49, VG50	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-FF-T5A	VG49, VG50	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-ECC	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-ECC	1001, 1002, 1064, 1163, 2576, 5505, 5558, 5578, 5580	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T1A	1003, 1004, 1006, 1007	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T1A	1003, 1004, 1006, 1007	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T1C	2072, 2577, 5520, 8031	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T1C	2072, 2577, 5520, 8031	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-KB-T2A	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T2A	0562, 4030, 5521, 5532, 5551, 5553, 5554, 5555, 5557, 5583, 5584, 5592, 5593, 5597, 5599, 8002, 8032, 8034, 9500, 9501, 9502, 9503	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T2B	0512, 1011, 1164, 1522, 2552, 2553, 2575, 5559, 5560	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T2B	0512, 1011, 1164, 1522, 2552, 2553, 2575, 5559, 5560	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T2C	5591, 8010, 8014, 9201	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-T2C	5591, 8010, 8014, 9201	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-T3B	1012, 1013	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-KB-T3B	1012, 1013	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-KB-TK3	0572, 0573	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-KB-TK3	0572, 0573	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-K-TKO	0511, 0514, 5550	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-K-TKO	0511, 0514, 5550	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-LOAD	53R3, 53R4, 53T2	40 CFR Part 63, Subpart R	Refinery complying with 40 CFR Part 63, Subpart CC is not subject to Subpart R standards for gasoline loading racks.
GRP-QQQ-T4	9600, 9601	40 CFR Part 61, Subpart FF	Tank doesn't manage, treat, or store a waste stream subject to 40 CFR Part 61 Subpart FF.
GRP-QQQ-T4	9600, 9601	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-QQQ-T4	9600, 9601	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
GRP-TANK	8035, 8036, 8037, 9400, 9401	40 CFR Part 61, Subpart FF	Tank doesn't manage, treat, or store a waste stream subject to 40 CFR Part 61 Subpart FF.
GRP-TANK	8035, 8036, 8037, 9400, 9401	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
GRP-TANK	8035, 8036, 8037, 9400, 9401	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.
SKIDBLR	N/A	40 CFR Part 60, Subpart Dc	The maximum design capacity is > 100 MMBtu/hr.
SKIDBLRFUG	N/A	40 CFR Part 60, Subpart GGG	Affected facilities were constructed after November 7, 2006.
SKIDBLRFUG	N/A	40 CFR Part 60, Subpart KKK	The facility is not in an onshore natural gas processing plant.
SKIDBLRFUG	N/A	40 CFR Part 63, Subpart H	Does not contain equipment listed in 63.160(a)
SKIDBLRFUG	N/A	40 CFR Part 63, Subpart HH	The emission points are not located at an oil and gas production facility.

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		
SKIDBLRFUG	N/A	40 CFR Part 63, Subpart I	The fugitive unit does not contain one of the processes listed in 40 CFR 63.190(b)(1) - (6).
TK2530	N/A	40 CFR Part 60, Subpart Kb	Storage vessels with a capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure less than 3.5 kPa are exempt from the provisions of this subpart.
VD114	N/A	40 CFR Part 63, Subpart G	Sources are not subject to 40 CFR 63, Subpart F.
VD114	N/A	40 CFR Part 63, Subpart OO	Tank is not subject to another subpart within 40 CFR 60, 61, or 63 that references the use of subpart OO for air emission control.

New Source Review Authorization References

New Source Review Authorization References..... 280

New Source Review Authorization References by Emission Unit 281

New Source Review Authorization References

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: GHGPSDTX130	Issuance Date: 09/04/2015
PSD Permit No.: PSDTX102M7	Issuance Date: 09/24/2014
PSD Permit No.: PSDTX1158M1	Issuance Date: 09/04/2015
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.: 100477	Issuance Date: 01/12/2012
Authorization No.: 104928	Issuance Date: 09/24/2014
Authorization No.: 14441A	Issuance Date: 05/30/2012
Authorization No.: 43073	Issuance Date: 11/17/2009
Authorization No.: 80799	Issuance Date: 10/09/2014
Authorization No.: 82659	Issuance Date: 08/30/2007
Authorization No.: 85872	Issuance Date: 09/04/2015
Authorization No.: 87458	Issuance Date: 03/02/2009
Authorization No.: 90208	Issuance Date: 08/05/2010
Authorization No.: 9868A	Issuance Date: 09/24/2014
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 106.533	Version No./Date: 07/04/2004

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
0109	TANK STORAGE	9868A, PSDTX102M7
0110	TANK STORAGE	9868A, PSDTX102M7
0111	TANK STORAGE	9868A, PSDTX102M7
0202	TANK STORAGE	9868A, PSDTX102M7
0401	TANK STORAGE	9868A, PSDTX102M7
0511	TANK STORAGE	9868A, PSDTX102M7
0512	TANK STORAGE	9868A, PSDTX102M7
0514	TANK STORAGE	9868A, PSDTX102M7
0552	TANK STORAGE	9868A, PSDTX102M7
0558	TANK STORAGE	9868A, PSDTX102M7
0562	TANK STORAGE	9868A, PSDTX102M7
0572	TANK STORAGE	9868A, PSDTX102M7
0573	TANK STORAGE	9868A, PSDTX102M7
1001	TANK STORAGE	9868A, PSDTX102M7
1002	TANK STORAGE	9868A, PSDTX102M7
1003	TANK STORAGE	9868A, PSDTX102M7
1004	TANK STORAGE	9868A, PSDTX102M7
1006	TANK STORAGE	9868A, PSDTX102M7
1007	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
1011	TANK STORAGE	9868A, PSDTX102M7
1012	TANK STORAGE	9868A, PSDTX102M7
1013	TANK STORAGE	9868A, PSDTX102M7
1025	SOUR WATER TANK	9868A, PSDTX102M7
1064	TANK STORAGE	9868A, PSDTX102M7
1067	TANK STORAGE	9868A, PSDTX102M7
10H1	CRUDE OIL HEATER FUEL	9868A, PSDTX102M7
1163	TANK STORAGE	9868A, PSDTX102M7
1164	TANK STORAGE	9868A, PSDTX102M7
1165	TANK STORAGE	9868A, PSDTX102M7
12E1	ENGINE	9868A, PSDTX102M7
12E2	ENGINE	9868A, PSDTX102M7
12E3	ENGINE	9868A, PSDTX102M7
12E4	ENGINE	9868A, PSDTX102M7
12E5	ENGINE	9868A, PSDTX102M7
12E6	ENGINE	9868A, PSDTX102M7, 87458
12E7	ENGINE	9868A, PSDTX102M7
12H1	HEATER	9868A, PSDTX102M7

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
1522	TANK STORAGE	9868A, PSDTX102M7
19B1/19H1	U19.2, CHG FURN, #2 & #3 FUEL	9868A, PSDTX102M7
19B1-H1	19.2 CHARGE FURNACE	9868A, PSDTX102M7
19B1-H2#2	19.2 #2 REHEATER	9868A, PSDTX102M7
19B1-H2#3	19.2#3 REHEATER	9868A, PSDTX102M7
19B2-H4	19.3 CHARGE FURNACE	9868A, PSDTX102M7
19H3	19.1 NAPHTHA HDS CHARGE HEATER	9868A, PSDTX102M7
19H5#1	UNIT 19.1 #1 REBOILER	9868A, PSDTX102M7
19H5#2	UNIT 19.1 #2 REBOILER	9868A, PSDTX102M7
19H6	19.2 PLATFORMER REHEATER #1	9868A, PSDTX102M7
2072	TANK STORAGE	9868A, PSDTX102M7
22H1	ALKY REBOILER FURNACE	9868A, PSDTX102M7
2510	TANK STORAGE	9868A, PSDTX102M7
2552	TANK STORAGE	106.472/09/04/2000
2553	TANK STORAGE	9868A, PSDTX102M7
2571	TANK STORAGE	9868A, PSDTX102M7
2572	TANK STORAGE	9868A, PSDTX102M7
2575	TANK STORAGE	9868A, PSDTX102M7
2576	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
2577	TANK STORAGE	9868A, PSDTX102M7
2578	TANK STORAGE	9868A, PSDTX102M7
2579	TANK STORAGE	9868A, PSDTX102M7
2580	TANK STORAGE	9868A, PSDTX102M7
25H1	UNIT 25 HEATER	43073
25V1	LSG REGENERATION VENT	43073
2670	TANK STORAGE	9868A, PSDTX102M7
2671	TANK STORAGE	9868A, PSDTX102M7
2672	TANK STORAGE	9868A, PSDTX102M7
2673	TANK STORAGE	9868A, PSDTX102M7
2674	TANK STORAGE	9868A, PSDTX102M7
2675	TANK STORAGE	9868A, PSDTX102M7
2676	TANK STORAGE	9868A, PSDTX102M7
2677	TANK STORAGE	9868A, PSDTX102M7
2678	TANK STORAGE	9868A, PSDTX102M7
26H1	UNIT 26 DEC4 REBOILER	9868A, PSDTX102M7
28H1	UNIT 28 CHARGE HEATER	9868A, PSDTX102M7
29H4	UNIT 29 DEC4 REBOILER	9868A, PSDTX102M7
29P1	UNIT 29 FCCU	9868A, PSDTX102M7, 82659

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
2H1	UNIT 2-2 HDS CHARGE HEATER	9868A, PSDTX102M7
2H2	NGL DEOILER FURNACE	9868A, PSDTX102M7
3001	TANK STORAGE	9868A, PSDTX102M7
3002	TANK STORAGE	9868A, PSDTX102M7
3003	TANK STORAGE	9868A, PSDTX102M7
34I1	SRU INCINERATOR	9868A, PSDTX102M7
36H1	HDS UNIT CHARGE HEATER	9868A, PSDTX102M7
4030	TANK STORAGE	9868A, PSDTX102M7
40H1	UNIT 40 SUPERHEATER #1	9868A, PSDTX102M7
40P1	UNIT 40 FCCU REGENERATOR	9868A, PSDTX102M7, 82659
41H1	UNIT 41 REF FURNACE	9868A, PSDTX102M7, 90208
42H1	UNIT 42 REACTOR CHARGE HEATER	9868A, PSDTX102M7
42H2	UNIT 42 REACTOR CHARGE HEATER	9868A, PSDTX102M7
42H3	UNIT 42 FRACT FEED HEATER	9868A, PSDTX102M7
43I1	SCOT UNIT INCINERATOR	9868A, PSDTX102M7
45V1	LOW PRESS ABS VENT	9868A, PSDTX102M7
45V2	H2 STRIPPER VENT	9868A, PSDTX102M7
4H1	UNIT 4 FEED HEATER	9868A, PSDTX102M7
4H2	UNIT 4 DEHYDRATOR HEATER	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
50H1	COKER UNIT CHARGER HEATER	9868A, PSDTX102M7
50HT1	COKER TANK HEATER 1	9868A, PSDTX102M7
50HT2	COKER TANK HEATER 2	9868A, PSDTX102M7
50HT3	COKER TANK HEATER 3	9868A, PSDTX102M7
51H1	VACUUM UNIT HEATER	9868A, PSDTX102M7
53R3	NGL TANK CAR TRACKS 3 & 4	9868A, PSDTX102M7
53R4	NGL TANK CAR TRACK 5	9868A, PSDTX102M7
53T2	NGL TANK TRUCK LOADING	9868A, PSDTX102M7
5505	TANK STORAGE	9868A, PSDTX102M7
5508	TANK STORAGE	9868A, PSDTX102M7
5511	TANK STORAGE	9868A, PSDTX102M7
5520	TANK STORAGE	9868A, PSDTX102M7
5521	TANK STORAGE	9868A, PSDTX102M7
5525	TANK STORAGE	9868A, PSDTX102M7
5531	TANK STORAGE	9868A, PSDTX102M7
5532	TANK STORAGE	9868A, PSDTX102M7
5536	TANK STORAGE	9868A, PSDTX102M7
5537	TANK STORAGE	9868A, PSDTX102M7
5538	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
5539	TANK STORAGE	9868A, PSDTX102M7
5540	TANK STORAGE	9868A, PSDTX102M7
5541	TANK STORAGE	9868A, PSDTX102M7
5542	TANK STORAGE	9868A, PSDTX102M7
5543	TANK STORAGE	9868A, PSDTX102M7
5544	TANK STORAGE	9868A, PSDTX102M7
5545	TANK STORAGE	9868A, PSDTX102M7
5546	TANK STORAGE	9868A, PSDTX102M7
5548	TANK STORAGE	9868A, PSDTX102M7
5550	TANK STORAGE	9868A, PSDTX102M7
5551	TANK STORAGE	9868A, PSDTX102M7
5553	TANK STORAGE	9868A, PSDTX102M7
5554	TANK STORAGE	9868A, PSDTX102M7
5555	TANK STORAGE	9868A, PSDTX102M7
5556	TANK STORAGE	9868A, PSDTX102M7
5557	TANK STORAGE	9868A, PSDTX102M7
5558	TANK STORAGE	9868A, PSDTX102M7
5559	TANK STORAGE	9868A, PSDTX102M7
5560	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
5578	TANK STORAGE	9868A, PSDTX102M7
5580	TANK STORAGE	9868A, PSDTX102M7
5583	TANK STORAGE	9868A, PSDTX102M7
5584	TANK STORAGE	9868A, PSDTX102M7
5587	TANK STORAGE	9868A, PSDTX102M7
5588	TANK STORAGE	9868A, PSDTX102M7
5589	TANK STORAGE	9868A, PSDTX102M7
5590	TANK STORAGE	9868A, PSDTX102M7
5591	TANK STORAGE	9868A, PSDTX102M7
5592	TANK STORAGE	9868A, PSDTX102M7
5593	TANK STORAGE	9868A, PSDTX102M7
5596	TANK STORAGE	9868A, PSDTX102M7
5597	TANK STORAGE	9868A, PSDTX102M7
5598	TANK STORAGE	9868A, PSDTX102M7
5599	TANK STORAGE	9868A, PSDTX102M7
5H1	UNIT 5-A FEED HEATER	9868A, PSDTX102M7
5H2	UNIT 5-B FEED HEATER	9868A, PSDTX102M7
5H3	UNIT 5-C FEED HEATER	9868A, PSDTX102M7
66FL12	GOHDS FLARE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
66FL13	DERRICK FLARE	9868A, PSDTX102M7
66FL1	REFINERY EAST HC FLARE	9868A, PSDTX102M7
66FL2	REFINERY WEST HC FLARE	9868A, PSDTX102M7
66FL3	REFINERY CAT FLARE	9868A, PSDTX102M7
66FLH12	ARDS HC FLARE HEADER	9868A, PSDTX102M7
66FLH1	REFINERY EAST HC FLARE HEADER	9868A, PSDTX102M7
66FLH2	REFINERY WEST HC FLARE HEADER	9868A, PSDTX102M7
66FLH3	REFINERY CAT FLARE HEADER	9868A, PSDTX102M7
6H1	UNIT 6 HYDRO PREHEATER	9868A, PSDTX102M7
6H3	BHU REDUCTION FURNACE	9868A, PSDTX102M7
7E1	ENGINE	9868A, PSDTX102M7
7E2	ENGINE	9868A, PSDTX102M7
7E3	ENGINE	9868A, PSDTX102M7
7E4	ENGINE	9868A, PSDTX102M7
7E5	ENGINE	9868A, PSDTX102M7
7E6	ENGINE	9868A, PSDTX102M7
7H1	HEATER	9868A, PSDTX102M7
7H2	HEATER	9868A, PSDTX102M7
7H3	HEATER	9868A, PSDTX102M7

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
7H4	HEATER	9868A, PSDTX102M7
8001	TANK STORAGE	9868A, PSDTX102M7
8002	TANK STORAGE	9868A, PSDTX102M7
8010	TANK STORAGE	9868A, PSDTX102M7
8011	TANK STORAGE	9868A, PSDTX102M7
8012	TANK STORAGE	9868A, PSDTX102M7
8013	TANK STORAGE	9868A, PSDTX102M7
8014	TANK STORAGE	9868A, PSDTX102M7
8015	TANK STORAGE	9868A, PSDTX102M7
8031	TANK STORAGE	9868A, PSDTX102M7
8032	TANK STORAGE	9868A, PSDTX102M7
8033	TANK STORAGE	9868A, PSDTX102M7
8034	TANK STORAGE	9868A, PSDTX102M7
8035	TANK STORAGE	9868A, PSDTX102M7
8036	TANK STORAGE	9868A, PSDTX102M7
8037	TANK STORAGE	9868A, PSDTX102M7
81B17	REFINERY BOILER 2.4	85872, GHGPSDXTX130, PSDTX1158M1
85B2	U40 BOILER STACK	9868A, PSDTX102M7
9200	TANK STORAGE	9868A, PSDTX102M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
9201	TANK STORAGE	9868A, PSDTX102M7
9202	TANK STORAGE	9868A, PSDTX102M7
93E1	ENGINE	9868A, PSDTX102M7
93E2	ENGINE	9868A, PSDTX102M7
9400	TANK STORAGE	9868A, PSDTX102M7
9401	TANK STORAGE	9868A, PSDTX102M7
9500	TANK STORAGE	9868A, PSDTX102M7
9501	TANK STORAGE	9868A, PSDTX102M7
9502	TANK STORAGE	9868A, PSDTX102M7
9503	TANK STORAGE	9868A, PSDTX102M7
9504	TANK STORAGE	9868A, PSDTX102M7
9600	TANK STORAGE	9868A, PSDTX102M7
9601	TANK STORAGE	9868A, PSDTX102M7
9700	TANK STORAGE	9868A, PSDTX102M7
9701	TANK STORAGE	9868A, PSDTX102M7
9702	TANK STORAGE	9868A, PSDTX102M7
98H1	REFORMER CHARGER HEATER	9868A, PSDTX102M7
9H1	CRUDE OIL HEATER	9868A, PSDTX102M7
BLR12	BOILER 12	85872, GHGPSDTX130, PSDTX1158M1

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
D011	TANK STORAGE	9868A, PSDTX102M7
DD21	TANK STORAGE	9868A, PSDTX102M7
ENG-EB1	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB2	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB3	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB4	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB5	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB6	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB7	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB8	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-EB9	BACKUP COMPRESSOR ENGINE	106.511/09/04/2000
ENG-SC-1	BACKUP COMPRESSOR ENGINE	106.512/06/13/2001
ENG-SD1	DIESEL ENGINE	106.512/06/13/2001
ENG-SD2	DIESEL ENGINE	106.512/06/13/2001
ENG-SD3	DIESEL ENGINE	106.512/06/13/2001
ENG-SD4	DIESEL ENGINE	106.512/06/13/2001
ENG-SD5	DIESEL ENGINE	106.512/06/13/2001
F-10	UNIT 10 FUGITIVES	9868A, PSDTX102M7
F-11	NGL DEETHANIZER UNIT FUG	9868A, PSDTX102M7

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
F-12	CRYOGENIC GAS PLANT FUG	9868A, PSDTX102M7
F-13	NGL CLEAN-UP UNIT FUG	9868A, PSDTX102M7
F-1-42	FUGITIVE UNIT	9868A, PSDTX102M7
F-1-6-PB	UNIT 1.6 - PB HEATER	9868A, PSDTX102M7
F-1-6	UNIT 1.6 FUGITIVES	9868A, PSDTX102M7
F-1-7	FUGITIVE UNIT	9868A, PSDTX102M7
F-1-7OLD	UNIT 1.7 FUGITIVES	9868A, PSDTX102M7
F-19-1	NAPHTHA HDS FUGITIVES	9868A, PSDTX102M7
F-19-2	REFORMER FUGITIVES	9868A, PSDTX102M7
F-19-3	DISTILLATE HDS FUGITIVES	9868A, PSDTX102M7
F-2-109/111	COL 109 AND 111 FUGITIVE	9868A, PSDTX102M7
F-2-1	NGL HDS UNIT FUGITIVES	9868A, PSDTX102M7
F-22	HF ALKYLATION FUGITIVES	9868A, PSDTX102M7
F-23	ST RUN FRACT FUGITIVES	9868A, PSDTX102M7
F-25	LSG FUGITIVES	43073
F-2-5	PROCESS FUGITIVES	9868A, PSDTX102M7
F-26	HO FCCU FRACT FUGITIVES	9868A, PSDTX102M7
F-28	UNIT 28 FUGITIVES	9868A, PSDTX102M7
F-29	GAS OIL FCCU 29 FUGITIVES	9868A, PSDTX102M7

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
F-2	UNIT 2 FUGITIVES	9868A, PSDTX102M7
F-32	UNIT 32 FUGITIVES	9868A, PSDTX102M7
F-34	SULFUR RECOVERY UNIT FUG	9868A, PSDTX102M7
F-35	UNIT 35 FUGITIVES	9868A, PSDTX102M7
F-36	UNIT 36 FUGITIVES	9868A, PSDTX102M7
F-40	HEAVY OIL FCCU FUGITIVES	9868A, PSDTX102M7
F-41	U41 FUGITIVES	9868A, PSDTX102M7
F-42	ARDS UNIT 42 FUGITIVES	9868A, PSDTX102M7
F-43	SULFUR HANDLING FUGITIVES	9868A, PSDTX102M7
F-44	UNIT 44 FUGITIVES	9868A, PSDTX102M7
F-4	BUTANE ISOM FUGITIVES	9868A, PSDTX102M7
F-50	COKER UNIT FUGITIVES	9868A, PSDTX102M7
F-51	VACUUM UNIT FUGITIVES	9868A, PSDTX102M7
F-53-1	REFINERY LOADING FUG	9868A, PSDTX102M7
F-53-2	NGL LOADING RACK	9868A, PSDTX102M7
F-54-C21	COOLING TOWER	9868A, PSDTX102M7
F-56	API TRAP FUGITIVES	9868A, PSDTX102M7
F-5	PENTANE ISOM FUGITIVES	9868A, PSDTX102M7
F-66-1	REF. FLARE AREA FUG	9868A, PSDTX102M7

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
F-66-2	NGL FLARE FUG	9868A, PSDTX102M7
F-66-3	ARDS/CAT AREA FUGITIVES	9868A, PSDTX102M7
F-66-FG	FUEL GAS SYSTEM FUGITIVE	9868A, PSDTX102M7
F-67	UNIT 67 FUGITIVES	9868A, PSDTX102M7
F-68-1A	ARDS STORAGE FUGITIVES	9868A, PSDTX102M7
F-68-1E	E. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-1N	N. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-1R	ROCKY STATION FUGITIVES	9868A, PSDTX102M7
F-68-1S	S. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-1T	TAUBMAN YARD FUGITIVES	9868A, PSDTX102M7
F-68-1W	W. REFINERY STORAGE FUG	9868A, PSDTX102M7
F-68-2N	NORTH COBLE TANK FARM FUG	9868A, PSDTX102M7
F-68-2S	S. COBLE STORAGE FUG	9868A, PSDTX102M7
F-68-3	NGL WEST STORAGE FUG	9868A, PSDTX102M7
F-68-4N	N. COBLE STORAGE FUG	9868A, PSDTX102M7
F-68-4TA	JTF CAVERNS FUGITIVE	9868A, PSDTX102M7
F-68-4T	JTF FUGITIVES	9868A, PSDTX102M7
F-68-5	GASOLINE BLENDING SYSTEM	9868A, PSDTX102M7
F-6-A	UNIT 6 BHU, UNIT 7 HAT, COL 38, 130, 40 FUGITIVES	9868A, PSDTX102M7

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
F-6-B	COL 131, 39, 40 FUGITIVES	9868A, PSDTX102M7
F-6	HEXANE ISOM FUGITIVES	9868A, PSDTX102M7
F-7	PLATFORMER	9868A, PSDTX102M7
F-81	REFINERY BOILERS	9868A, PSDTX102M7
F-98	SMR FUGITIVE COMPONENTS	9868A, PSDTX102M7
F-9	UNIT 9 FUGITIVES	9868A, PSDTX102M7
FGR-FUG	FUGITIVES FLARE GAS RECOVERY SYSTEM	9868A, PSDTX102M7
FWP1	ENGINE	9868A, PSDTX102M7
FWP2	ENGINE	9868A, PSDTX102M7
FWP3	ENGINE	9868A, PSDTX102M7
FWP4	ENGINE	9868A, PSDTX102M7
FWP5	ENGINE	9868A, PSDTX102M7
HG86	TANK STORAGE	9868A, PSDTX102M7
MEROX	MEROX UNIT VENT	9868A, 106.261/11/01/2003, PSDTX102M7
SGC-FUG	COKER SGC FUGITIVES	106.261/11/01/2003, 106.262/11/01/2003
SKIDBLRFUG	SKID BOILER FUGITIVES	85872, GHGPSDTX130, PSDTX1158M1
SKIDBLR	SKID BOILER	85872, GHGPSDTX130, PSDTX1158M1
TK2530	VACUUM UNIT FEED TANK	9868A, PSDTX102M7
UF17	TANK STORAGE	9868A, PSDTX102M7

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
VD114	TANK STORAGE	9868A, PSDTX102M7
VF02	TANK STORAGE	9868A, PSDTX102M7
VF03	TANK STORAGE	9868A, PSDTX102M7
VF04	TANK STORAGE	9868A, PSDTX102M7
VG08	SURGE DRUM	9868A, PSDTX102M7
VG49	TANK STORAGE	106.533/07/04/2004
VG50	TANK STORAGE	106.533/07/04/2004

Appendix A

Acronym List 299

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
EIP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO ₂	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound

Appendix B

Major NSR Summary Table 301

Major NSR Summary Table

Permit Number: 9868A/PSDTX102M7			Issuance Date: 09/24/2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
Emission Caps	See Attachment I for Source Name and Emission Point Number Index	NO _x	1,225.76	2,465.27	2, 9, 26, 33, 48, 50, 51, 52, 53, 54, 55, 56, 71	2, 9, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 71	47, 50, 51, 52, 54, 68, 71
		SO ₂	6,620.99	2,967.21	2, 7, 9, 28, 29, 33, 48, 52, 53, 54, 55, 56, 69, 71	2, 7, 9, 28, 29, 46, 48, 52, 53, 54, 55, 56, 57, 69, 71	52, 54, 68, 71
		VOC	1,681.08	3,472.84	2, 7, 9, 29, 30, 31, 33, 34, 35, 36, 37, 40, 41, 44, 45, 48, 53, 54, 55, 56, 71, 72	2, 7, 9, 13, 29, 30, 31, 35, 36, 37, 38, 40, 41, 42, 43, 45, 46, 47, 48, 53, 54, 55, 56, 57, 71, 72	30, 31, 40, 47, 54, 68, 71, 72
		CO	800.06	3,483.78	2, 9, 33, 48, 50, 51, 52, 53, 54, 55, 56, 71	2, 9, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 71	47, 50, 51, 52, 54, 68, 71
		PM	262.70	1,119.57	2, 9, 28, 48, 49, 52, 56, 60, 62, 63, 65, 66, 71	2, 9, 13, 28, 46, 48, 52, 56, 57, 60, 65, 71	48, 52, 60, 71
		NH ₃	0.58	2.47	6, 40, 72	6, 13, 40, 42, 57, 72	40, 72
		Cl ₂	1.24	5.41	18, 40	18, 40, 42, 57	40
		Benzene	12.18	20.28	2, 29, 30, 31, 33, 34, 35, 36, 37, 40, 41, 55, 56, 72	2, 13, 29, 30, 31, 35, 36, 37, 38, 40, 41, 42, 43, 55, 56, 57, 72	30, 31, 40, 68, 72
		H ₂ S	17.97	57.01	2, 7, 9, 12, 13, 14, 15, 28, 29, 33, 40, 48, 52, 55, 56, 65, 66, 69, 72	2, 7, 9, 13, 14, 28, 29, 40, 42, 48, 52, 55, 56, 57, 65, 69, 72	29, 15, 40, 52, 72
		HCl	0.04	0.20	2, 33, 40	2, 13, 40, 42, 57	40
		HF	0.44	1.90	16, 17, 18, 19, 22, 40	13, 16, 17, 18, 40, 42, 57	40
85B2	Unit 40 Boiler	NO _x	11.96	52.40	26, 29, 52, 53, 54, 55	29, 52, 53, 54, 55	29, 52, 54
		CO	42.85	187.70	52, 53, 54, 55	52, 53, 54, 55	52, 54
		VOC	3.23	14.13	30, 52, 53, 54, 55	30, 52, 53, 54, 55	30, 52, 54

Permit Number: 9868A/PSDTX102M7			Issuance Date: 09/24/2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM ₁₀	4.46	19.52	28, 29, 55	28, 29, 55	29
		SO ₂	18.68	81.83	28, 29, 52, 53, 54, 55	28, 29, 52, 53, 54, 55	29, 52, 54
29P1	Unit 29 FCCU Stack	NH ₃	9.75	42.71	52, 53, 6	<u>52, 53, 57</u>	52, 53
		HCl	0.45	1.96	52, 53	<u>52, 53, 57</u>	52, 53
40P1	Unit 40 FCCU Stack	NH ₃	9.75	42.71	52, 53, 6	52, 53, 57	52, 53
		HCl	0.22	0.98	52, 53	<u>52, 53, 57</u>	52, 53
34I1	SRU TGI	NO _x	0.19	0.82	52, 53, 54	52, 53, 54	52, 54
		CO	0.32	1.38	52, 53, 54	52, 53, 54	52, 54
		VOC	0.21	0.82	53, 54	53, 54	54
		PM ₁₀	0.03	0.13	8, 9	<u>57, 9</u>	
		SO ₂	0.01	0.01	28, 29, 31, 52, 53, 54	28, 29, 31, 52, 53, 54	29, 31, 52, 54
F-1-8	Mercox Process Fugitives ⁽⁵⁾	VOC	0.01	0.01	29, 34, 40, 41	29, 34, 40, 41, 42	40
HFTEMP	HF Temporary Tank Process Fugitives ⁽⁵⁾	HF	0.01	0.01	16, 17, 19, 22, 40, 41	16,17, 40, 41, 42	40
		VOC	0.01	0.02	34, 40, 41	34, 37, 40, 41, 42	40
F-28-2-Ex	Unit 28 (2) Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.02	0.07	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-28-1-Ex	Unit 28 (1) Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.06	0.26	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-32-CIP	Unit 32 Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.04	0.18	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-10B-Ex	Unit 10B Train Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.10	0.43	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40

Permit Number: 9868A/PSDTX102M7			Issuance Date: 09/24/2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
F-9-Ex	Unit 9 Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.06	0.26	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-10A-Ex	Unit 10a Train Exchanger and Heater Integration Fugitives ⁽⁵⁾	VOC	0.06	0.25	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-67	Crude Unit Pump 67 Fugitives ⁽⁵⁾	VOC	0.01	0.05	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
F-56-1-4-A(2&5)	West DAF	VOC	0.99	4.36	30	30	30
		NH ₃	0.24	1.06			
		H ₂ S	1.81	7.91			
F-56-1-12	Flash Mixing	VOC	0.01	0.03	30	30	30
		NH ₃	0.01	0.01			
		H ₂ S	0.01	0.06			
F-56-1-17	Flocculation	VOC	0.03	0.13	30	30	30
		NH ₃	0.01	0.03			
		H ₂ S	0.05	0.24			
53R4	Sulfur Loading	PM	0.23	0.17		13	
		PM ₁₀	0.23	0.17		13	
		PM _{2.5}	0.23	0.17		13	
		H ₂ S	6.93	5.06		13	
66FL1, 66FL2, 66FL3, & 66FL12	Flares - Routine Emissions	VOC	121.47	53.21	2, 29, 30, 31, 33	2, 29, 30, 31, 38	29, 30, 31, 68
		NO _x	17.22	7.55	2, 33	2, 38	68
		CO	109.86	48.12	2, 33	2, 38	68
		SO ₂	100.14	43.85	2, 33	2, 38	68
		H ₂ S	1.55	0.68	2, 33, 70	2, 38, 70	
66FL1, 66FL2, 66FL3, & 66FL12	Flares - Fuel Gas Long Scenario	VOC	121.47	141.82	2, 29, 30, 31, 33	2, 29, 30, 31	29, 30, 31, 68
		NO _x	17.22	29.96	2, 33	2	68
		CO	110.11	192.91	2, 33	2	68
		SO ₂	100.14	7.35	2, 33	2	68
		H ₂ S	1.55	0.15	2, 33, 70	2, 70	

Permit Number: 9868A/PSDTX102M7			Issuance Date: 09/24/2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FGR-FUG	FGR Fugitives	VOC	5.20	22.79	29, 34, 40, 41	29, 34, 37, 40, 41, 42	40
		H ₂ S	0.01	0.01	40	40, 42	40
66FL1, 66FL2, 66FL3, & 66FL12	Flares - Flare Gas MSS	VOC	121.47	35.00	2, 33	2	
		NO _x	17.22	6.13	2, 33	2	
		CO	109.86	34.30	2, 33	2	
		SO ₂	100.14	250.90	2, 33	2	
		H ₂ S	1.55	2.23	2, 33, 70	2, 70	
F-43WHB	Waste Heat Boiler Fugitives	SO ₂	0.01	0.01	40, 41	40, 41, 42	40
		H ₂ S	0.01	0.01	40, 41	40, 41, 42	40

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x total oxides of nitrogen
SO₂ - sulfur dioxide
PM_{2.5} - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
NH₃ ammonia
Cl₂ - chlorine
H₂S hydrogen sulfide
HCl hydrogen chloride
HF - hydrogen fluoride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Major NSR Summary Table

Permit Number: 85872/PSDTX1158M1			Issuance Date: 09/04/2015					
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements	
			lb/hr	TPY(4)**	Spec. Cond.	Spec. Cond.	Spec. Cond.	
SKIDBLR	Skid Boiler	NO _x	5.47	25.33	10, 13, 16, 17	10, 16, 20	15, 21	
		NO _x (MSS)	38.28		10, 16, 17, 18	10, 16, 20	21	
		CO	22.98	109.53	11, 13, 16, 17	16, 20	15, 21	
		CO (MSS)	269.11		11, 16, 17, 18	16, 20	21	
		PM/PM ₁₀	2.72	11.90	3, 11	3, 10, 11, 20		
		PM _{2.5}	2.72	11.90	3, 11	3, 10, 11, 20		
		VOC	1.97	8.61	9	20, 9	9	
		SO ₂	12.57	20.65	4, 10	4, 10, 20		
		NH ₃	2.80	12.26	5, 6, 13	20	15	
81B17	Boiler 2.4	NO _x	53.24	71.50		20		
		Pre-modification	CO	23.12	31.04	11	11, 20	
			PM ₁₀ /PM _{2.5}	3.44	4.63	3, 11	3, 11, 20	
			VOC	2.49	3.35	9	20, 9	9
			SO ₂	14.43	7.27	4	4, 20	
81B17	Boiler 2.4 (5)	NO _x	18.49	82.35	13, 16, 17	16, 20	15, 21	
		Post-modification	NO _x (MSS)	48.54		16, 17, 18	16, 20	21
			CO	29.14	139.45	11, 13, 16, 17	11, 16, 20	15, 21
			CO (MSS)	291.43		11, 16, 17, 18	11, 16, 20	21
			PM/PM ₁₀ /PM _{2.5}	3.44	15.09	3, 11	3, 11, 20	
			VOC	2.49	10.92	9	20, 9	9
BLR12	Boiler 12 (5)	SO ₂	15.94	26.19	4, 10	4, 10, 20		
		NO _x	8.40	38.61	10, 13, 16, 17	10, 16, 20	15, 21	
		NO _x (MSS)	58.80		10, 16, 17, 18	10, 16, 20	21	
		CO	35.30	166.06	11, 13, 16, 17	11, 16, 20	15, 21	
		CO (MSS)	353.02		11, 16, 17, 18	11, 16, 20	21	
			PM/PM ₁₀ /PM _{2.5}	4.17	18.28	3, 11	3, 10, 11, 20	
			VOC	3.02	13.23	9	20, 9	9
	SO ₂	19.31	31.72	4, 10	4, 10, 20			

Permit Number: 85872/PSDTX1158M1			Issuance Date: 09/04/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY(4)**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NH ₃	4.29	18.80	5, 6, 13	20	15
FUG	Boiler Fugitives(6)	VOC	0.09	0.41	4, 9	4, 9, 20	
		NH ₃	0.12	0.50	5, 8	8, 17, 20	
MSSFUG	Planned Maintenance Activities	NO _x	<0.01	<0.01	18	20, 18	18
		CO	<0.01	<0.01	18	20, 18	18
		VOC	14.58	0.55	9, 2, 18	20, 9, 2, 18, 20	9, 2, 18
		PM/PM ₁₀ /PM _{2.5}	0.16	0.02	3	20, 3	3
		SO ₂	<0.01	<0.01		20	
		NH ₃	<0.01	<0.01	6	20	6

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. Annual emission rates include emissions from MSS.
- (5) Planned MSS for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (6) Emission rate is an estimate only and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Major NSR Summary Table

Permit Number: GHGPSDTX130				Issuance Date: 09/04/2015		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY(4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
SKIDBLR	Skid Boiler	N ₂ O (5)	2	7, 9, 10	9, 12	
		CH ₄ (5)	10	7, 8, 9, 10	9, 12	
		CO ₂ (5)	188,441	7, 8, 9, 10	6, 9, 12	6
		CO ₂ e	189,251	7, 8, 9, 10	6, 9, 12	6
81B17	Boiler 2.4	N ₂ O (5)	2	7, 9, 10	9, 12	
		CH ₄ (5)	12	7, 8, 9, 10	9, 12	
		CO ₂ (5)	238,938	7, 8, 9, 10	6, 9, 12	6
		CO ₂ e	239,963	7, 8, 9, 10	6, 9, 12	6
BLR12	Boiler 12	N ₂ O (5)	3	7, 9, 10	9, 12	
		CH ₄ (5)	15	7, 8, 9, 10	9, 12	
		CO ₂ (5)	289,430	7, 8, 9, 10	6, 9, 12	6
		CO ₂ e	290,675	7, 8, 9, 10	6, 9, 12	6
FUG	Boiler Fugitives (6)	CH ₄ (5)	8	4		
		CO ₂ e	192	4		
MSSFUG	Planned Maintenance Activities (6)	CH ₄ (5)	1	8		
		CO ₂ e	19	8		

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) CH₄ - methane
 CO₂ - carbon dioxide
 N₂O - nitrous oxide
 CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014): CO₂ (1), N₂O (298), CH₄ (25), and SF₆ (22,800).
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These emissions rates include maintenance, startup, and shutdown.
- (5) Emissions rate is given for informational purposes only and does not constitute an enforceable limit.
- (6) Emissions rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT



A Flexible Permit Is Herby Issued To
PHILLIPS 66 COMPANY
Authorizing the Construction and Operation of
Borger Refinery
Located at **Borger, Hutchinson County, Texas**
Latitude 35° 41' 58" Longitude -101° 21' 36"

Permits: 9868A and PSDTX102M7

Amendment Date: September 24, 2014

Renewal Date: November 22, 2015

For the Commission

- Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the executive director of the Texas Commission on Environmental Quality (commission) to amend this permit in that regard and such amendment is approved. It shall be unlawful for any person to vary from such representation or flexible permit provision if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in a significant increase in emissions, unless application is made to the executive director to amend the flexible permit in that regard and such amendment is approved by the executive director. [Title 30 Texas Administrative Code 116.721 (30 TAC 116.721)]
- Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
- Construction Progress.** The start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.715(c)(2)]
- Start-up Notification.** The appropriate regional office of the commission and any local program having jurisdiction shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. Phased construction, which may involve a series of facilities commencing operations at different times, shall provide separate notification for the commencement of operations for each facility. Prior to beginning operations of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program).
- Sampling Requirements.** If sampling of stacks or process vents is required, the flexible permit holder shall contact the commission's Engineering Services Section, Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the appropriate regional office of the commission. The flexible permit holder is also responsible for providing

sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.715(c)(4)]

6. **Equivalency of Methods.** It shall be the responsibility of the flexible permit holder to demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the flexible permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.715(c)(5)]
7. **Recordkeeping.** A copy of the flexible permit along with information and data sufficient to demonstrate continuous compliance with the emission caps and individual emission limitations contained in the flexible permit shall be maintained in a file at the plant site and made available at the request of personnel from the commission or any air pollution control program having jurisdiction. For facilities that normally operate unattended, this information shall be maintained at the nearest staffed location within Texas specified by the permit holder in the permit application. This information may include, but is not limited to, emission cap and individual emission limitation calculations based on a 12-month rolling basis and production records and operating hours. Additional recordkeeping requirements may be specified in special conditions attached to the flexible permit. Information in the file shall be retained for at least two years following the date that the information or data is obtained. [30 TAC 116.715(c)(6)]
8. **Maximum Allowable Emission Rates.** A flexible permit covers only those sources of emissions and those air contaminants listed in the table entitled “Emission Sources, Emissions Caps and Individual Emission Limitations” attached to the flexible permit. Flexible permitted sources are limited to the emission limits and other conditions specified in the table attached to the flexible permit. [30 TAC 116.715(c)(7)]
9. **Emission Cap Readjustment.** If a schedule to install additional controls is included in the flexible permit and a facility subject to such a schedule is taken out of service, the emission cap contained in the flexible permit will be readjusted for the period the unit is out of service to a level as if no schedule had been established. Unless a special provision specifies the method of readjustment of the emission cap, a permit alteration shall be obtained. [30 TAC 116.715(c)(8)]
10. **Maintenance of Emission Control.** The facilities covered by the flexible permit shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. Notification for emissions events and scheduled maintenance shall be made in accordance with 30 TAC 101.201 and 101.211 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; and Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping). [30 TAC 116.715(c)(9)]
11. **Compliance with Rules.** Acceptance of a flexible permit by a permit applicant constitutes an acknowledgment and agreement that the holder will comply with all Rules, Regulations, and Orders of the commission issued in conformity with the Texas Clean Air Act (TCAA) and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or flexible permit condition are applicable, then the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the flexible permit. [30 TAC 116.715(c)(10)]
12. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
13. **There** may be additional special conditions attached to a flexible permit upon issuance or amendment of the permit. Such conditions in a flexible permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.715(d)]
14. **Emissions from this facility must not cause or contribute to a condition of “air pollution”** as defined in Texas Health and Safety Code 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
15. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit

SPECIAL CONDITIONS

Flexible Permit Numbers 9868A and PSDTX102M7

Emission Caps and Individual 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. **(5/03)** The sources listed in Attachment A are authorized either by Permit by Rule (PBR) in Title 30 Texas Administrative Code Chapter 106 (30 TAC 106) or by Standard Permit (SP) in Title 30 Texas Administrative Code Chapter 116, Subchapter F (30 TAC 116, Subchapter F). **(09/13)**

Operational Parameters

2. Flares shall be designed and operated in accordance with the following requirements:
 - A. The combined refinery fuel natural gas and waste stream to the flare shall meet the Title 40 Code of Federal Regulations § 60.18 (40 CFR § 60.18) specifications of minimum heating value and maximum tip velocity under normal, upset, and maintenance flow conditions. Compliance with this condition shall be demonstrated by monitoring required in Section D below. Flare testing per 40 CFR § 60.18(f) may be requested by the Texas Commission on Environmental Quality (TCEQ) Regional Office, in addition to New Source Performance Standards (NSPS) or federal requirements, to demonstrate compliance with this condition.
 - B. The flare(s) shall be operated with a flame present at all times, have a constant pilot flame, or have an automatic reignition system. The pilot flame shall be monitored by a thermocouple, an infrared monitor, or equivalent device as defined by 40 CFR § 60.18 and 40 CFR § 63.11. 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.** **(11/05)**
 - C. The flares 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 (for steam-assisted flares).
 - D. The holder of this permit shall install a continuous flow monitor on Flare Emission Point Nos. (EPNs) 66FL1, 66FL2, 66FL3, 66FL4, 66FL6, and 66FL12 that provides a record of the vent stream flow to each flare. The flow monitor sensors should be installed in the vent stream such that the total vent stream to the flare is measured. The average hourly values of the flow shall be recorded and maintained electronically. The holder of this permit shall record the daily average flow rate (24-hour average) to each flare and the hourly average during upset conditions. Records of the flows shall be maintained for a period of two years and be made available to the Executive Director of the TCEQ upon request. **(05/08)**

The continuous flow monitor shall operate as required by this section at least 95 percent of the time when the flare is operational, averaged over a rolling 12-month period. **(11/05)**

The holder of this permit shall conduct an analysis (grab sample) of the flare composition (total volatile organic compounds [VOC], hydrogen sulfide [H₂S], and Btu content) on a semiannual basis (once during the summer months and once during the winter months). The sampling shall be conducted such that the total vent stream to the flare is included in the analysis. Records of the grab sampling results shall be maintained for a period of five years and made available to representatives of the TCEQ upon request. **(04/05)**

Contingency Plan for Sulfur Recovery Unit (SRU) Complex

3. Should there be a loss of sulfur recovery potential from the claus trains, tail gas treating unit (TGTU) front-ends, TGTU back-end, or tail gas incinerators (TGIs), the following step shall be taken immediately (not to exceed eight hours) from the start of the event: The acid gas shall be rerouted to the operating backup equipment at the remaining sulfur recovery trains. (PSD) **(05/03)**
4. The SRU 43 and SRU 34 shall be capable of routing acid gas from one SRU to the other. (PSD)
5. All acid gas streams from the amine regeneration units containing H₂S shall be routed to the SRUs or other process units. (PSD) **(05/03)**
6. The acid gas exiting the waste heat boilers shall be sampled for ammonia (NH₃) on a monthly basis, and the NH₃ concentration shall not exceed 300 parts per million by volume (ppmv) at any time. Drager tubes or another sampling method, as approved by the TCEQ, shall be used to sample for NH₃.

Records of the sampling time, date, and sampling results shall be maintained for a period of three years and made available to representatives of the TCEQ upon request. The sampling results shall be in terms of ppmv. This condition does not become effective for SRU 34 until the sour water stripper (or NH₃ stripper) overheads are tied into SRU 34. (PSD) **(03/00)**

7. The following shall apply to sour water stripper systems:
 - A. **During routine operations, sour water stripper systems “A” and “B” shall process** only sour water from Units 41, 42, 43, 44, 45, and 50. By design, these units produce sour water generally containing hydrocarbons with ten or fewer carbons and no more than 2 percent hydrocarbons with 12 or more carbons. A hydrocarbon sensor shall be operated to detect the presence of hydrocarbon in the sour water being processed at Unit 42. Additionally, a hydrocarbon detector shall be operated in the Unit 44 sour water feed drums to produce an alarm when hydrocarbon is present below the normal operating water level in these drums.

The Coker Unit sour water tank shall have a minimum on-line retention time of three days. The tank shall be equipped with an oil skimming system, and shall be equipped with a hydrocarbon detection probe to determine the level of the hydrocarbon/water interface. **(11/05)**

- B. The refinery Sour Water Tank (Tank No. 3003) shall have a minimum on-line retention time of 1.7 days, and the tank effluent shall be routed to the Unit 29 sulfide stripper prior to being routed to the Unit 44 refinery Sour Water Stripper (stripper "C"). **Tank No. 3003 shall be equipped with an oil skimming system. Tank No. 3003 shall be equipped with a hydrocarbon detection probe ("Agar" brand capacitance probe or equivalent) to determine the level of the hydrocarbon/water interface. This interface level may also be determined manually from a tricock system on the tank shell. (11/05)**
- C. The refinery sour water shall be routed through an oil/water separator prior to **entering Tank No. 3003. A hydrocarbon detection system ("Agar" brand capacitance probe or equivalent) shall be installed and operated in the line from the Unit 29 sulfide stripper to the refinery sour water stripper "C." Records of flow rates shall be maintained on-site and made available to the TCEQ Executive Director or a representative upon request. (11/05)**
- D. The readouts for the hydrocarbon/water interface level sensor in Tank No. 3003 and **the hydrocarbon sensor in the line to the refinery sour water stripper "C" shall be** transmitted to a control room. An alarm shall be transmitted to a control room when either sensor detects the presence of excess hydrocarbons and upon the activation of either alarm the following corrective actions shall be taken:
- (1) The permit holder shall examine SRU operation to determine whether the presence of hydrocarbons in the sour water feed appears to be disrupting SRU operations;
 - (2) If the presence of hydrocarbons appears to be disrupting SRU operations in a manner that could result in excessive emissions, the permit holder shall stop **the feed to sour water stripper "C," and**
 - (3) The permit holder shall identify and correct the cause of the high hydrocarbon content prior to resuming sour water feed to the stripper.
- Records shall be kept of all instances in which alarms require subsequent corrective actions, indicating what actions were taken. **(12/04)**
- E. Records shall be kept of all instances of Unit 29 sulfide stripper downtime and made available to the TCEQ Executive Director or a representative upon request. (PSD) **(12/04)**
8. A TGI 34 shall be operated with no less than 1.5 percent oxygen (O₂), dry, in the incinerator stack and at no less than 1170°F incinerator firebox exit temperature.

A TGI 43 shall be operated with no less than 1.0 percent O₂ in the incinerator stack and at no less than 1180°F incinerator firebox exit temperature.

If stack testing indicates that a higher temperature or excess O₂ is necessary to obtain a minimum H₂S destruction efficiency of 99.9 percent or 5 ppmv (corrected to 3 percent excess O₂) reduced sulfur compound exit concentration, then the temperature and excess O₂ maintained during the stack test will become the new minimum operating limits. (PSD) **(03/00)**

The merox production unit VOC containing off gas stream shall be directed to EPN 3411 during normal operation of the merox production unit. The merox production unit VOC containing off gas stream can also be directed to the flare designated as EPN 66FL4 when EPN 3411 can not receive this merox production unit VOC containing off gas stream. **(02/11)**

9. The firebox temperature for each incinerator shall be continuously monitored and recorded at least once every four hours. In addition, continuous recording shall be required for all periods for which the temperature is below the minimum firebox temperature. If a continuous recorder is not available, manual readings recorded every 15 minutes shall be considered continuous recording.

Each temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ± 0.75 percent of the temperature being measured expressed in degrees Celsius or $\pm 2.5^{\circ}\text{C}$.

Quality-assured (or valid) data must be generated when the incinerator is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the incinerator operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded. (PSD) **(11/05)**

10. The SRU TGIs shall operate with no visible emissions except for uncombined steam. (PSD)
11. The SRU thermal reactors shall at all times be operated with a stable flame and the flame temperature shall not be less than 2000°F. All sour water stripper gas shall be introduced to the front of the thermal reactor and none shall enter the side. These requirements become effective for SRU 34 when the sour water stripper (or NH₃ stripper) overheads are tied into Unit 34. (PSD) **(08/01)**
12. There shall be 45 H₂S monitors placed throughout the sulfur recovery, amine regeneration, and sour water stripping areas. These monitors shall be arranged in such a way that coverage is provided for wind directions varying through 360 degrees. The existing monitors shall be set to alarm at a concentration of 10 ppmv and shall alarm in the control room. (PSD)

13. Records shall be maintained indicating the truck or railcar loaded, loading start and stop date and time, and the volume or weight of the sulfur loaded. **(07/13)**

Piping, Valves, Pumps and Compressors in H₂S Service

14. This condition applies in the sulfur recovery, amine regeneration, Unit 19.3 hydrodesulfurization, sour water stripping areas and EPN F-Tier3. **(09/14)**
 - A. Audio, visual, and olfactory (AVO) checks for H₂S leaks within the operating area shall be made once per shift.
 - B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take the following actions:
 - (1) Stop the leak by taking the equipment out of service or bypass the equipment so that it is no longer in service.
 - (2) Isolate the leak.
 - (3) Commence repair or replacement of the leaking component.
 - (4) If the leak cannot be repaired within six hours, the holder of this permit shall use a leak collection or containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

Records shall be maintained at the plant site of the time leaks were detected and all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request.

15. Sulfur produced and handled by SRU 43 shall be degassed to a concentration of no more than 15 parts per million by weight (ppmw) H₂S at the sulfur pit. The sulfur pit shall be connected to a vapor collection system which routes the recovered vapors back into the process or to the TGI. Alternative designs for controlling emissions from sulfur handling equipment can be submitted to the TCEQ, Office of Air, Air Permits Division and the TCEQ Amarillo Regional Office for consideration. The holder of this permit shall test the H₂S concentration (in ppmw) of the sulfur produced by SRU 34 at the sulfur pit to confirm that the concentration is less than or equal to 300 ppmw. Sampling methods and procedures must be approved by the TCEQ Regional Director prior to sampling. The TCEQ Executive Director or designated representative shall be afforded the opportunity to observe all such sampling. The sampling required in the previous paragraph of this condition shall occur within six months of completion of construction of the replacement loading rack and, after that, at least once every 12 months. Within 30 days after such sampling is completed, a copy of the final sampling report shall be forwarded to the TCEQ Regional Office. **(07/13)**

Piping, Valves, Pumps, and Compressors in Hydrogen Fluoride (HF) Service-AVO

16. A. The AVO checks for HF leaks within the operating area shall be made every four hours.

- B. Immediately, but no later than one hour upon detection of a leak during the day shift, plant personnel shall take the following actions:
 - (1) Stop the leak by taking the equipment out of service or bypass the equipment so that it is no longer in service.
 - (2) Isolate the leak.
 - (3) Commence repair or replacement of the leaking component.
 - (4) If the leak cannot be repaired within six hours, the holder of this permit shall use a leak collection or containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.
 - C. The above actions shall be taken immediately, but no later than one hour into the next day shift upon detection of a leak by night shift personnel.
 - D. Records shall be maintained at the plant site of the time leaks were detected and all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request.
17. All waste gas streams containing HF shall be routed to a caustic scrubber system operating with a 99 percent HF removal efficiency prior to being routed to a flare. The circulation rate of the neutralization solution shall be checked and recorded every four hours. The caustic concentration of the neutralization solution shall be checked every 12 hours. The caustic concentration shall be checked more frequently during turnarounds or following unit unplanned maintenance, startup and shutdown activities. The caustic neutralization strength shall be maintained at no less than 0.8 percent (weight). The only exception would be during upset or maintenance events. In those cases, when the caustic concentration goes below 0.8 percent (weight), the caustic strength shall be raised as quickly as possible. Records of the caustic concentration shall be maintained on-site for a period of three years and made available to representatives of the TCEQ upon request. **(04/11)**
18. The cooling water shall be continuously monitored and recorded for pH at the Unit 22 cooling tower inlet. There shall be an alarm in the HF unit control room and/or HF plant area should the pH fall below five. Corrective action shall be taken immediately if the pH is less than five. If the continuous pH monitoring system is not operational, the holder of this permit shall begin recording pH manually once per shift, beginning with the shift following the monitoring system failure. The continuous pH monitoring system will be repaired within 15 days. **(08/01)**
19. The HF detection paint shall be used on all potential fugitive sources and possible leak sites. Locations with HF detection paint shall be inspected every four hours during the AVO checks required by the HF AVO condition. If leaks are detected, corrective action shall be taken immediately as described in the HF AVO condition. **(11/05)**
20. In the event of an HF release which may have the potential for off-site impacts, the holder **of this permit shall implement the procedures outlined in the permit holder's emergency contingency and response plans.**

21. There shall be no overhead work in the HF process unit where equipment is being lifted over unprotected vessels or lines without first completing a safe work checklist in accordance with Occupational Safety and Health Administration Process Safety Management rules. The safe work checklist shall be used to ensure that every effort is made to minimize the potential for an accident that would result in loss of integrity of HF-containing equipment.
22. The holder of this permit shall abide by the HF ambient monitoring program submitted September 25, 1996 and revised June 5, 1997. **(11/05)**
23. The maximum allowable concentrations and emissions of the following pollutants from Fluid Catalytic Cracking Unit (FCCU) Nos. 29 and 40 are included in best available control technology (BACT) short-term and annual cap calculations. The emissions cap based upon FCCU BACT emission levels shall be achieved no later than the date outlined in the BACT Implementation Schedule.

The CO concentration in the stack shall be maintained less than 500 ppmv on an hourly average at 0 percent oxygen when venting through the Units 29 and 40 FCCU stacks.
(12/06)

24. **Opacity of emissions from both FCCU's shall not exceed 20 percent except for those periods described in Title 30 Texas Administrative Code § 111.111 (a)(1)(E) [30 TAC § 111.111 (a)(1)(E)]. (PSD) (08/08)**
25. Sulfur dioxide (SO₂) emissions from the FCCU Unit 29 and FCCU Unit 40 regenerators **(EPN's 29P1 and 40P1) shall be 25 parts per million by volume dry (ppmvd) or lower on a 365-day rolling average basis and 50 ppmvd or lower on a seven-day rolling average basis at 0 percent O₂. (08/08)**

Nitrogen oxides (NO_x) emissions from FCCU Unit 29 designated as EPN 29P1 shall be 20 ppmvd on a 365-day rolling average basis at zero percent oxygen (O₂) and 40 ppmvd on a seven-day rolling average basis at zero percent O₂, effective May 31, 2012. **(2/11)**

26. After completion of the BACT and Implementation Schedule, all Fired Units, with the exception of those listed below, shall be capable of operating with a combined hourly average NO_x emission factor of 0.06 pound (lb) NO_x/MMBtu based upon represented maximum firing rates. If an average NO_x factor of 0.06 lb NO_x/MMBtu is not obtained, the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap. (PSD) **(12/06)**

EPN	Facility
3411	SRU Incinerator
4311	SCOT Unit Incinerator (A and B - common stack)
85B2	Unit 40 Boiler
98H1	Unit 98 Reformer Furnace

EPN	Facility
29H2	Unit 29 Preheater
50H1	Coker Unit 50 Charge Heater
51H1	Vacuum Unit 51 Charge Heater

27. Emissions of NO_x from the stacks of the following heaters shall not exceed 0.035 pound per million British thermal units (lb/MMBtu) based on higher heating value: **(04/05)**
- Unit 98 Reformer Furnace (EPN 98H1)
- Vacuum Unit Charge Heater (EPN 51H1)
- Coker Charge Heater (EPN 50H1)
- Beginning January 1, 2013, the Unit 41 SMR heater, EPN 41H1, shall achieve a NO_x emission limit of 0.01 lb/MMBtu (365 day rolling average) at a maximum capacity of 729 MMBtu/hr HHV (365 day rolling average). **(01/13)**
28. Fuel gas used to fire all heaters, boilers, and TGIs shall not exceed an H₂S concentration of 162 ppmv for the short-term and 60 ppmv for the annual average. The H₂S concentration in the fuel shall be continuously monitored and recorded according to NSPS, Subpart J requirements. (PSD)
29. This facility shall comply with all applicable requirements of EPA regulations on Standards of Performance for New Stationary Sources in 40 CFR Part 60 promulgated for the following: (PSD) **(02/13)**
- (1) Petroleum Refineries, Subparts A, J, and Ja;
 - (2) Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction or Modification Commenced After July 23, 1984, Subparts A and Kb;
 - (3) Equipment Leaks of Volatile Organic Compounds (VOC) in Petroleum Refineries, Subparts A and GGG, for affected facilities that commenced construction, reconstruction, or modification after January 4, 1983, and on or before November 7, 2006;
 - (4) Equipment Leaks of Volatile Organic Compounds (VOC) in Petroleum Refineries, Subparts A and GGGa, for affected facilities that commenced construction, reconstruction, or modification after November 7, 2006; **(09/13)**
 - (5) VOC Emissions from Petroleum Refinery Wastewater Systems, Subparts A and QQQ;

- (6) Petroleum Liquid Storage Vessels for which Construction, Reconstruction, or Modification Occurred after June 11, 1973 and Prior to May 19, 1978, Subparts K and A; and
 - (7) Storage Vessels for Petroleum Liquids for which construction, Reconstruction, or Modification Commenced after May 18, 1978 and Prior to July 23 1984, Subparts Ka and A.
30. This facility shall comply with all applicable requirements of EPA regulations on National Emission Standards for Hazardous Air Pollutants in 40 CFR Part 61 promulgated for the following: (PSD) **(02/13)**
- A. Equipment Leaks, Subparts V and A;
 - B. Benzene Waste Operations, Subparts A and FF.
31. This facility shall comply with all applicable requirements of EPA regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63 promulgated for the following: (PSD) (02/2013)
- A. Petroleum Refineries, Subparts CC and A; and
 - B. Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur-Recovery Units, Subparts UUU and A.
32. The opacity from all heaters, boilers, etc., shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(E). **(12/06)** (PSD)
33. The EPNs 66FL8, 66FL10, and 66FL11 will obtain a 98 percent hydrocarbon destruction efficiency.

The holder of this permit shall perform annual testing of the flare headers to determine actual emissions from the flares. The sampling information, flare operating time, and the demonstrated 98 percent destruction efficiency shall be used to determine flare actual emissions.

The holder of this permit shall submit test plans and schedules to the TCEQ Regional Office no less than 45 days prior to sampling to schedule a pretest meeting and to give the TCEQ an opportunity to comment, propose modifications, approve, and monitor the tests. Information to be included in the test plan and schedule shall include:

- A. Date for pretest meeting.
- B. Date(s) sampling will occur.
- C. Name of firm conducting the sampling.
- D. Type of sampling equipment to be used.

- E. Method or procedure to be used in sampling.
- F. Additional parameters to be monitored to ensure that the baseline is not exceeded from one annual test to the next.

The TCEQ Regional Director must approve any continuous or periodic monitoring system proposed for compliance with the annual testing requirements of this condition. **(04/05)**

- 34. Atmospheric relief valves in VOC service that are not equipped with rupture discs shall be checked for leaks on a quarterly basis with an approved gas analyzer. A leak shall be defined as 500 ppmv. There shall be no variance for inaccessible valves. All leaking valves shall be repaired or replaced at the earliest opportunity but not later than the next scheduled process shutdown. **(11/05)**

Storage and Loading of VOC

- 35. Storage tanks are subject to the following requirements. The control requirements specified in paragraphs A through D of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.50 psia at the maximum feed temperature or 95°F, whichever is greater, or (2) to storage tanks smaller than 25,000 gallons. (Parts A through D are not necessary if you are only authorizing fixed-roof tanks.) **(11/05)**
 - A. **An internal floating deck or “roof” or equivalent control shall be installed in all tanks.** The floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal.
 - B. An open-top tank containing a floating roof (external floating roof tank) which uses double seal or secondary seal technology shall be an approved control alternative to an internal floating roof tank provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim-mounted. A weathershield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.
 - C. For any tank equipped with a floating roof, the permit holder shall perform the visual inspections and seal gap measurements as specified in 40 CFR § 60.113b, Testing and Procedures (as amended at 54 FR 32973, Aug. 11, 1989), to verify fitting and seal integrity. Records shall be maintained of the dates seals were inspected and seal gap measurements made, results of inspections and measurements made (including raw data), and actions taken to correct any deficiencies noted.
 - D. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 dated November 1, 1998, except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.

- E. Except for logos, slogans and similar displays (not to exceed 15 percent of the vertical tank shell area), uninsulated tank exterior surfaces exposed to the sun shall be white, aluminum, or other equivalent color. Storage tanks must be equipped with permanent submerged fill pipes. **(12/06)**
- F. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12-month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures.

Emissions for tanks shall be calculated using: the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."

- G. Tanks taken out of hydrocarbon service, for any reason, do not have to have any controls in place during the time they are out of service.
- H. Any slotted guidepole in an external floating roof equipped storage vessel that is an affected facility pursuant to 40 CFR §§ 60.110a or 60.110b (NSPS, Subpart Ka or Kb), will be subject to a requirement to have either a pole float system or a pole sleeve system as described below installed.

Pole Float System - Each opening through the deck of the floating roof for a slotted guidepole shall be equipped with a deck cover, a pole wiper, and a pole float. The deck cover shall also be equipped with a gasket between the cover and deck. The wiper or seal of the pole float shall be at or above the height of the pole wiper.

Pole Sleeve System - Each opening through the deck of the floating roof for a slotted guidepole shall be equipped with a deck cover, a pole wiper and a pole sleeve. The deck cover shall be equipped with a gasket between the cover and the deck. The sleeve extends into the stored liquid.

Maintenance of the pole sleeve system or the pole float system is required as follows:

A "sleeve" or sliding cover shall be in place over the slotted-guidepole opening through the floating roof at all times except when the sliding cover must be removed for access.

If the control technology used includes a guidepole float, the float shall be floating within the guidepole at all times except when it must be removed for access to the stored liquid or when the tank is empty.

Visually inspect the deck fitting for the slotted guidepole at least once every ten years and each time the vessel is emptied and degassed. If the slotted guidepole deck fitting or control devices have defects or if a gap of more than 0.32 centimeter (1/8 inch) exists between any gasket required for control of the slotted guidepole deck fitting and any surface that it is intended to seal, such items shall be repaired before filling or refilling the storage vessel with regulated material. **(8/01)**

36. The emissions from compounds being loaded into tank trucks and/or railcars having a vapor pressure of greater than or equal to 0.5 psia at 100°F shall be collected and routed Thermal Oxidizer Unit (EPN 53FL1) or the following Flares (EPNs 66 FL1, -66FL2, -66FL3, -66FL4, or -66FL12). The thermal oxidizer unit shall be operated to ensure at least a 98 percent destruction efficiency of the VOC loading emissions or a VOC exit concentration of less than 20 ppmv, dry, corrected to 3 percent O₂. The required destruction efficiency of the flares shall be demonstrable by operation in compliance with Special Condition (SC) No. 2 of this permit. **(09/08)**

The oxidizer exit temperature shall be continuously monitored and the temperature readings shall be reduced to an averaging period of six minutes or less and recorded at that frequency. The exit temperature shall be maintained greater than 105°F or the temperature maintained during the last stack test performed in accordance with the stack sampling condition. Loading shall be secured immediately if this temperature cannot be maintained. In lieu of routing to a thermal oxidizer unit, collected emissions may be routed back into the process.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5°C.

Quality-assured (or valid) data must be generated when the thermal oxidizer is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the thermal oxidizer operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. **(11/05)**

37. Tank trucks handling compounds with a vapor pressure greater than or equal to 0.5 psia at 100°F shall be leak-tested annually according to the requirements of NSPS, Subpart XX. Tank trucks shall be checked for the presence of leak testing certifications prior to being loaded. **Tank trucks which are in "pressure service" (designed and operated with a pressure of greater than 15 pounds per square inch, gauge [psig]) are exempt from the leak testing requirement; however, the trucks shall be certified as pressure tight according to their applicable Department of Transportation regulations. (11/05)**
38. The permit holder shall maintain and update monthly an emissions record which includes calculated emissions of VOC from all loading operations over the previous rolling 12-month period. The record shall include the loading spot, control method used, quantity loaded in gallons, name of the liquid loaded, vapor molecular weight, liquid temperature in degrees Fahrenheit, liquid vapor pressure in psia (at either the maximum loading temperature or the actual loading temperature), and liquid throughput for each month. Records of VOC temperature are not required to be kept for liquids loaded from unheated tanks which receive liquids that are at or below ambient temperatures. Emissions shall be

calculated using the TCEQ publication titled “Technical Guidance Package for Chemical Sources - Loading Operations.” **(11/05)**

39. **The use of spew rods for gauging railcars and tank trucks in “pressure service” (designed and operated with a pressure of 15 psig or greater) shall either cease no later than December 31, 2005, or the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap for those compounds being loaded. (11/05)**

Piping, Valves, Connectors, Pumps, Agitators, and Compressors - 28VHP

40. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment. **(06/12)**
- A. The requirements of paragraphs F and G shall not apply (1) where the VOC have an aggregate partial pressure or vapor pressure of less than 0.044 psia at 68°F or (2) to piping and valves two inches nominal size and smaller unless in fugitive areas F-9, F-10, F-28, F-23, F-36, F-32, F-1, F-2, F-2-1, F-2-5, F-4, F-5, F-6, F-7, F-11, F-19-1, F-19-2, or required by 40 CFR Part 63, Subpart H or CC, or (3) operating pressure is at least five kilopascals [0.725 pound per square inch (psi)] below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.
- The exempted components may be identified by one or more of the following methods:
- (1) piping and instrumentation diagram (PID);
 - (2) a written or electronic database or electronic file;
 - (3) color coding;
 - (4) a form of weatherproof identification; or
 - (5) designation of exempted process unit boundaries
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), API, American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
- 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. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe-to-monitor component is

not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe-to-monitor times. A difficult-to-monitor component for which quarterly monitoring is specified may instead be monitored annually.

- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be 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 an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

- (1) a cap, blind flange, plug, or second valve must be installed on the line or valve;
or
 - (2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72 hour period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.
- 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 gauge 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, compressor, and agitator 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 parts per million by volume (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, compressor, and agitator 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. A first attempt to repair the leak must be made within 5 days and a record of the attempt shall be maintained.
- I. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, 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 within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.
- J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical **inspections shall be noted in the operator's log or equivalent.**

- 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 New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.
41. For purposes of establishing the emission caps for this flexible permit, implementation of the 28 VHP Leak Detection and Repair (LDAR) program and the appropriate reduction credits were utilized. If any other LDAR program is used for a set of components subject to this permit, the fugitive emissions for all components shall be calculated using the appropriate reduction credits for the LDAR program actually used to monitor each component. For components monitored under an LDAR program other than 28 VHP, the net emission rates from those components must be equivalent or less than those obtained if 28 VHP were in place.

The holder of this permit shall maintain a listing of each LDAR program utilized, and the unit to which that program is applied. This information shall be made available to representatives of the TCEQ upon request. **(9/08)**

42. As an alternative to comparing the daily emission rate of the components on the delay of repair (DOR) list to the total emissions from a unit shutdown per the requirements of Special Condition No. 40, Subparagraph I, the cumulative hourly emission rate of all components on the DOR list may be compared to ten percent of the total short term VOC fugitive cap contributions in order to determine if the TCEQ Regional Director and any local program is to be notified. In addition, the hourly emission rates of each specific compound on the DOR list must be less than ten percent of the speciated hourly fugitive emission rate of the same compound, as used in the most recent applicable Air Quality Analysis. **(6/12)**
43. The requirements of SC 40.1. and 42. shall take effect 180 days after the start-up of the modified Unit 42 Gas Oil Hydrodesulfurizer (GOHDS) fractionator. Until that time the following requirements shall be met:

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.

The TCEQ Executive Director may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. **(6/12)**

44. In addition to the weekly physical inspection required by Item E of the 28 VHP LDAR condition, all connectors subject to 40 CFR Part 63, Subpart H in gas/vapor and light liquid service shall be monitored annually with an approved gas analyzer in accordance with Items F through J of the 28 VHP LDAR condition. Alternative monitoring frequency schedules of 40 CFR Part 63, Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks, may be used in lieu of the monitoring frequency required by this permit condition. Compliance with this condition does not assure compliance with requirements of applicable state or federal regulation and does not constitute approval of alternative standards for these regulations. **(05/99)**

Cooling Towers

45. The VOC associated with cooling tower water shall be monitored monthly with an air stripping system meeting the requirements of the TCEQ Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or an approved equivalent sampling method. The results of the monitoring, cooling water flow rate, and maintenance activities on the cooling water system shall be recorded.

The monitoring results and cooling water hourly mass flow rate shall be used to determine cooling tower hourly VOC emissions. The rolling 12-month cooling water emission rates shall be recorded on a monthly basis and used to determine compliance with the emission cap. Actual emissions from each cooling tower shall be determined by summing the VOC emissions between VOC monitoring periods over the rolling 12-month period.

The emissions between VOC monitoring periods shall be obtained by multiplying the total cooling water mass flow between cooling water monitoring periods by the higher of the two VOC monitored results. **(11/05)**

Engines

46. Fuel used in the four-cycle and two-cycle engines shall be pipeline-quality, sweet natural gas with a fuel sulfur content of no more than 0.25 grain/100 standard cubic feet (scf) (or 4.0 ppmv), or NSPS J quality plant fuel gas supplies containing less than 162 ppmv H₂S. Records shall be maintained containing the period of time that 162 ppmv gas was burned in the engines. These records shall be used in determining compliance with the emissions cap. **(09/08)**
- A. This permit authorizes emissions from the Emergency Fire Water Pump Engines (EPNs FWP1, FWP2, FWP3, FWP4, and FWP5) for firefighting and preventative maintenance and testing. The operation of each emergency fire water pump engine is limited to 35 hours per year, except during emergencies. The performance of each maintenance and testing activity and the associated emissions shall be recorded and the rolling 12-month emissions shall be updated on a monthly basis. These records shall include the following: **(09/09)**

- (1) the physical location at which emissions from the activity occurred, including the emission point number, common name, and any other identifier for the point at which the emissions were released into the atmosphere;
- (2) the common name and the facility identification number of the facility at which activity and emissions occurred;
- (3) the date and time of the activity and its duration.

47. Emissions of NO_x, CO, and VOC from the following engines shall be reported on a dry basis in brake specific units of gram per horsepower-hour (g/hp-hr) and in units of lb/hr. After completion of the BACT and implementation schedule, the engines shall achieve the following. **(05/03)**

Emission Unit	Air Contaminant	Emission Rate
Clark 230VRP	CO	5.8 g/hp-hr
	NO _x	8.0 g/hp-hr
	VOC	1.3 g/hp-hr
Clark RA-6 and RA-8	CO	3.0 g/hp-hr
	NO _x	8.0 g/hp-hr
	VOC	4.0 g/hp-hr
White-Superior 8G-825, 6G-825, and 4G-825	CO	3.0 g/hp-hr
	NO _x	2.0 g/hp-hr
	VOC	1.0 g/hp-hr

Emissions of NO_x, CO and VOC after installation of NO_x controls (includes reduced annual emission rates): **(02/12)**

Type of Emission Unit	EPN	Emission Control Technique	Max. Heat Capacity Limit (HHV)	CO	NO_x short term/annual	VOC	Hours
			MMBtu/hr*	g/hp-hr [lb/MMBtu]*			
Engine #37 Clark RA-8	93E1	Prestratified charge system	8.80	3.0 [0.69]	8.0 [1.84]/ 2.04 [0.47]	4.0 [0.92]	8,760
Engine #46 White-Superior 425 hp	12E6	Prestratified charge system & catalyst	3.29	3.0 [0.89]	2.0[0.87]/ 1.58 [0.47]	1.0 [0.30]	8,760

* On a 365 day rolling average

48. Rich burn engines modified through the use of a catalyst to meet BACT requirements shall be equipped with air/fuel ratio controllers which maintain the exhaust O₂ content in the range demonstrated by initial testing. The O₂ sensor shall be replaced on a quarterly basis or every 2,000 hours (whichever is longer). Documentation shall be maintained, for each **air/fuel controller, that the manufacturers or supplier's recommended maintenance has been performed. (09/09)**
49. Opacity of emissions from engines modified to meet BACT shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(E).

Demonstration of Compliance

50. The holder of this permit shall perform initial and biennial stack sampling and other testing to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the engines.

Gaseous sampling port(s) and sampling platforms(s) shall be incorporated into the design **of the engine stack per specifications in the attachment entitled "Chapter 2, Stack Sampling Facilities" of the TCEQ Sampling Procedures Manual. Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.**

- A. The appropriate TCEQ 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.
- (6) Procedure to be used to determine engine horsepower load during sampling period.

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.

During the pretest meeting, the applicant may request the use of EPA Method 19 (as referenced by 30 TAC § 106.512) to calculate the stack flow. Pertinent data, including fuel flow, shall be recorded and included in the sampling report. Any data and/or records required in addition to the EPA Method 19 requirements shall be addressed at the pretest meeting. The method of flow measurement shall be that listed in the testing protocol and must be approved by the TCEQ prior to testing. 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 shall approve or disapprove of any deviation from specified sampling procedures.

- B. Air contaminants emitted from the engines to be tested for include (but are not limited to) NO_x, CO and O₂.
- C. Engine emissions shall be determined by appropriate EPA methods or other methods approved by the TCEQ Regional Director prior to sampling. Methods described in 30 TAC § 106.512(2)(C)(iii) are considered to be approved methods.

Emissions shall be sampled at minimum, average, and maximum engine rounds per minute (RPMs). Sampling at different RPMs is not required if the operating minimum, average, and maximum RPMs are within 10 percent of the maximum RPMs. Every effort should be made to conduct initial compliance testing during conditions which demand the maximum horsepower expected for the engine.

- D. Sampling shall be performed within 60 days after the completion of engine modifications (or within 60 days after issuance of the flexible permit if a specific engine is not going to be modified), and other such times as determined necessary to verify compliance with the emissions cap as required by the TCEQ Regional Director or the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office.
- E. One copy of the final sampling report shall be forwarded to the TCEQ Amarillo Regional Office within 60 days after sampling is completed. Sampling reports shall comply with the Chapter 14 of the TCEQ Sampling Procedures Manual.

51. In order to demonstrate that compliance for all engines is continuously met, the holder of this permit shall perform the following: **(11/05)**

- A. Conduct evaluations of engine performance on a quarterly basis at full engine load and speed by measuring the NO_x and CO content of the exhaust.

The use of portable analyzers specifically designed for measuring the concentration of each contaminant in ppmv is acceptable for these evaluations. A hot air probe or equivalent shall be used with portable analyzers to prevent error results due to high exhaust gas temperatures.

Three sets of measurements shall be averaged to determine the concentrations. Prior to and following the measurements, the portable analyzer shall be checked for accuracy using an audit gas that conforms to the specifications in 40 CFR Part 60, Appendix F, § 5.1.2(3). Any other method shall be approved by the TCEQ Regional Director.

- B. If the engine employs NSCR emission control, emissions testing shall be performed no later than 14 days following any maintenance performed on the air/fuel ratio controller, sensor, or catalyst (including catalyst cleaning or replacement) and following engine maintenance which may affect the character and quantity of emissions.

- C. If the engine employs a Pre-Stratified Charge (PSC) emission control system, emissions testing shall be performed no later than 14 days following any maintenance or shutdown of the engine which may affect ignition timing, initial carburetor setting, or the air dilution control system. In addition, every 2,000 hours of engine operation or quarterly the holder of this permit shall ensure that the engine meets the emission standard.

Emissions shall be measured and recorded in the as-found operating condition, except no compliance determination shall be established during start-up, shutdown, or under breakdown conditions. **(11/05)**

Stack Sampling

52. 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 the following sources:

Units 29 and 40 FCCU Stacks (EPNs 29P1 and 40P1), and SRU 43 and 34 TGI Stacks (EPNs 43I1 and 34I1). **(04/05)**

All boilers, heaters, etc., with firing rates of 40 MMBtu/hr or greater including the Unit 40 Boiler shall be subject to stack sampling. In addition, common stacks containing units capable of 40 MMBtu/hr or greater shall also be sampled. **(12/06)**

The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

- A. The appropriate TCEQ Regional Office in the region where the source is located 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 TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional

Director or 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 Air Permits Division. Test waivers and alternate or equivalent procedure proposals for NSPS testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

- B. Air contaminants emitted from the listed sources to be tested for include (but are not limited to) the following:

FCCU Stacks	NO _x , CO, SO ₂ , O ₂ , TSP* and PM ₁₀ *
SRU TGIs	NO _x , CO, SO ₂ , O ₂ and H ₂ S
Boilers, Heaters, Furnaces, etc.	NO _x , CO, SO ₂ , VOC, and O ₂

* TSP - total suspended particulate, PM₁₀ - particulate matter of 10 microns or less

- C. Sampling shall occur within 60 days after the completion of boiler/heater, etc., modifications to a specific unit, and other such times as may be required by the TCEQ Regional Director or the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires EPA approval, and requests shall be submitted to the TCEQ Regional Director. **(04/05)**
- D. The EPN being tested shall operate at maximum production or firing rates during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the EPN is 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 if the firing rate exceeds the tested firing rate by more than 10 percent. (Additional testing will not be required if the EPN is equipped with a continuous emissions monitoring system [CEMS].)
- E. One copy of the final sampling report shall be forwarded to the TCEQ Amarillo Regional Office within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual.
- F. Stack sampling for those units which are not equipped with a CEMS shall be repeated every five years after the initial sampling in conformity with A, B, and D of this condition. Unit 19.3 shall be sampled every two years until a CEMS is operating to monitor emissions. **(12/04)**

The applicable FCCU Stacks (EPNs 29P1 and 40P1) shall be sampled annually for TSP and PM₁₀ when the FCCU air coolers are in operation. (PSD) **(12/06)**

53. The holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of the following compounds from the indicated sources: **(09/08)**

- A. The Units 29 and 40 FCCU Stacks (EPNs 29P1 and 40P1): SO₂, NO_x, CO, O₂ and opacity. **(04/05)**
- B. The SRU 34 TGI Stack (EPN 3411): SO₂ and O₂. The SRU 43 TGI Stack (EPN 4311): SO₂, CO, and O₂.
- C. The Unit 98 Reformer Furnace (EPN 98H1): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the furnace. **(04/05)**
- D. The Unit 50 Charge Heater (EPN 50H1): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the heater. **(04/05)**
- E. The Unit 51 Charge Heater (EPN 51H1): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the heater. **(04/05)**
- F. The Unit 40 Boiler (EPN 85B2): NO_x, CO and O₂. The CEMS shall be installed and operational upon start-up of the boiler. **(09/08)**.

After a shakedown period not to exceed 180 days, the Unit 40 Boiler shall not exceed a NO_x emission rate of 0.02 lb/MMBtu based on a three hour average and a CO concentration in the stack of 100 parts per million by volume dry at 3 percent O₂ based on a three-hour average. **(12/06)**

With the exception of the above sources, a CEMS used to measure and/or predict and record the in-stack concentrations of NO_x, CO and O₂ shall be operational and used to monitor emissions within one year of emitting greater than 26.3 tons per year (tpy) NO_x (26.3 tpy NO_x is calculated from 0.06 lb NO_x/MMBtu based on a 100 MMBtu/hr firing duty) from any boiler, heater or combustion device with a maximum firing rate greater than or equal to 100 MMBtu/hr (this includes Unit 19.3 [Distillate Charge Furnace]). These units shall be monitored as required in the Stack Sampling condition with a two-year stack sampling period until a CEMS is required. The terms of this paragraph are effective upon implementation of BACT for the particular combustion device. **(12/04)**

The monitoring system shall meet the following section of Requirements for CEMS: **(12/04)**

54. Requirements for CEMS:

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 Air, Air Permits Division for requirements to be met.

- A. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:
- (1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.
 - (2) 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.
- B. 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 relative accuracy test audit (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 indicate that the CEMS is out of control.
- C. The monitoring data shall be reduced to an hourly average concentration at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of pounds per hour at least once every week as follows:
- The measured hourly average concentration from the CEMS shall be multiplied by the flow rate. Units that do not have flow meters may use the flow rate measured during the latest stack test performed in accordance with SC No. 52 to determine the hourly emission rate.
- D. All monitoring data and quality-assurance data shall be maintained by the source. 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 regional office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.
- F. Quality-assured (or valid) data must be generated when the facility (FCCU, TGI, furnace, boiler, or heater, as listed in this condition) is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the facility generating emissions operated over the

previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Director. **(11/05)**

55. Boilers, heaters, etc., with maximum firing rates of greater than or equal to 40 MMBtu/hr and less than 100 MMBtu shall be monitored in accordance with this condition. The terms of this condition are effective upon implementation of BACT for a particular device or for combustion devices for which additional controls are not anticipated within five years from the issuance of the flexible permit.

Stack sampling shall take place as required by the stack sampling condition. After completion of the initial stack test, the holder of this permit shall conduct grab samples (or spot checks with a portable analyzer) for NO_x and CO. The spot checks shall be comprised of no less than the average of three 15-minute readings for each pollutant. These checks shall be performed annually for Heater 9 (EPN 9H1), Heater 36 (EPN 36H1), Heater 26 (EPN 26H1), and Column 45 Reboiler (EPN 2H2); semiannually for Heaters 7 (EPN 7H1-4), Heater 42A (EPN 42H1), Heater 42B (EPN 42H2), and Heater 11 (EPN 11H1), and quarterly for any other units.

The fuel flow rate shall be continuously monitored and recorded. The heating value of the fuel (Btu/scf) shall be measured and recorded once per week. Heating values for purchased fuel gas supplies may, as an alternate, be calculated based upon a monthly composite from samples taken at least once per day. The methods, criteria, equipment, etc., used in conducting the spot checks shall be approved by the TCEQ Austin Compliance Support Division prior to conducting any spot checks.

The results of the spot checks shall be recorded in terms of ppm and converted into values of lb/hr and TPY within 30 days of sampling.

The SO₂ emissions from the unit shall be estimated monthly based upon the H₂S concentrations obtained from the H₂S fuel gas monitoring system (required by NSPS, Subpart J) and the fuel flow rate.

The CO and NO_x emission factors generated from the spot checks shall be used in lieu of those generated using the last stack test results obtained to determine actual emissions from the unit if results of the spot check are greater than those obtained in the last stack test.

The holder of this permit may petition the TCEQ for a reduction in the spot-checking frequency on an EPN-by-EPN basis. If the five-year stack test is failed, the EPN failing the stack test shall revert back to the quarterly basis until at least one year of data is collected. (PSD) **(02/04)**

56. For boilers, heaters, etc., with maximum firing rates less than 40 MMBtu/hr, the heating value of the fuel (Btu/scf) shall be measured and recorded once per week. Heating values for purchased fuel gas supplies may, as an alternate, be calculated based upon a monthly

composite from samples taken at least once per day. The fuel flow rate shall be continuously monitored and recorded (in addition to the H₂S concentrations obtained from the H₂S fuel gas monitoring system). Records shall be maintained indicating any **exceedance of a unit's represented firing rates. Should the firing rate of any unit exceed its** permit representations, the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap.

Recordkeeping

57. Recordkeeping programs for those facilities authorized by the flexible permit shall be established and maintained such that the ability to demonstrate compliance with all authorized emission caps (short-term and annual) are ensured. Records of all compliance testing, CEM results, and process parameters necessary to demonstrate compliance with the emission rate caps shall be maintained on-site for a period of three years.

Compliance with annual TPY emissions shall be based on calendar basis through the year 2006 and on a 12-month rolling average thereafter. Emissions calculations for verifying compliance with the emission caps shall be calculated at least once every month. The holder of this permit shall maintain all records necessary to demonstrate compliance with the short-term lb/hr and annual TPY emissions cap and provide such demonstration of compliance to the TCEQ Regional Office upon request.

The permit holder shall retain a copy of the permit application dated November 2007 and of any subsequent applications related to this permit. These records shall be retained for the effective life of the permit plus five years. **(11/08)** (PSD)

These and all other records required by any previous condition of this permit shall be made available to the TCEQ Executive Director or a representative upon request. (PSD)

58. All control upgrades implemented for facilities authorized by the flexible permit shall be completed as on a schedule to assure compliance with all short-term lb/hr and annual TPY emission caps as tabulated on the attached emission cap tables. (PSD)

Adjustment of Emission Rates

59. The emission rate estimates for flare and wastewater sources being tested initially as specified in the conditions of this flexible permit and the associated emission caps shall be adjusted as necessary to reflect the initial testing results. Piping component counts and fugitive emission estimates for the current and final emission caps shall be adjusted as necessary to reflect actual component counts as shown by the required LDAR program(s). Adjustments which result in an increase in estimated emissions shall require a permit amendment, and decreases in emission estimates may be affected by the use of a permit alteration. **(03/00)**

FCCU Particulate Monitoring

60. The permit holder shall continuously monitor and record the air flow rate to the regenerators. This value shall be used with the most recent stack test results performed in accordance with the Stack Sampling condition to determine the particulate emissions (TSP) from the FCCUs.

The permit holder shall install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to measure and record the opacity from the electrostatic precipitator (ESP).

- A. The COMS shall meet (40 CFR Part 60), Appendix B Performance Specification No 1. The initial performance evaluation of the COMS required by the performance specification shall be conducted and passed within 60 days of start-up.
- B. The COMS shall meet the requirements of 40 CFR § 60.13. The appropriate TCEQ Regional Manager will be the administrator for alternate monitoring requests, except where the monitoring is also required by an applicable NSPS (40 CFR Part 60) or NESHAP (40 CFR Part 61 or Part 63) where EPA Region 6 remains the administrator for alternate monitoring requests.

Alternate monitoring requests should be submitted to the appropriate TCEQ Regional Director and EPA Region 6, when they are the administrator, with copies to any local air pollution programs and the TCEQ Regional Director.

- C. Monitoring data shall be recorded and maintained as specified in 40 CFR §§ 60.7(c), (d), (e), and (f).
- D. The appropriate TCEQ Regional Office and any local air pollution programs shall be notified at least 30 days prior to any required initial performance evaluation.
- E. Quality-assured (or valid) data must be generated when the FCCU is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the FCCU is operated over the previous rolling 12-month period. **(11/05)**

Coke Storage and Handling (04/05)

61. The permit holder will ensure that a minimum coke moisture content of 6 percent (by weight) is maintained. Water sprays shall be used as necessary throughout the coke handling and loading process to minimize particulate emissions.
62. During normal operations (coke loaded from the silo), samples for moisture analysis shall be taken of coke to be loaded when more than 48 hours elapses between loading events. Sampling shall occur with one hour prior to the start of loading. **(11/05)**

63. The opacity of emissions from any transfer point, conveyor, crusher, etc., at this unit shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(3). No visible emissions may leave the plant property. If visible emissions do leave the plant property, further controls or measures shall be installed and/or implemented as required to limit visible emissions.
64. Coke handling conveyors shall be completely covered on top, bottom, and one side with a partial opening on the other side for inspection purposes.
65. Coke may be stockpiled at the site. During such periods, the following shall apply:
(09/08)
 - A. A watering truck or other watering device (such as a sprinkler system, etc.) shall be used on the coke stockpile as necessary to minimize particulate emissions. Final design of a watering system other than a watering truck shall be approved by the TCEQ Amarillo Regional Office prior to installation.
 - B. The permit holder shall take samples of the stockpiled coke within one hour prior to the scheduled application of water. Sampling frequency shall be once every other day until the coke stockpile is removed. Sampling locations shall be rotated sufficiently to ensure representative coverage of the stockpile.
 - C. Records shall be kept of daily quantities of total coke produced, total coke exported, coke moved to the stockpile, and coke moved from the stockpile.
66. Coke samples shall be analyzed for moisture content using American Society for Testing and Materials or other methods as agreed upon by the TCEQ Amarillo Regional Office.

Powdered Activated Carbon Silos

67. A fabric filter shall control particulate matter (PM) emissions from the Powdered Activated Carbon Silos. The PM outlet grain loading from fabric filters shall not exceed 0.007 grain per dry standard cubic foot of air. There shall be no visible emissions exceeding 30 seconds in any six-minute period as determined using U.S. Environmental Protection Agency (EPA) Test Method 22. **(11/05)**

Flare Emission Event Setpoints

68. The following emission rates shall be used to evaluate whether an emission event may be reportable as per 30 TAC § 101.201(a)(1)(A). These rates are not intended to be used as emissions limitations for the purposes of compliance with this permit. **(05/08)**

Maximum Emissions when Flares are Connected				
EPN's	SO₂ lb/hr	NO_x lb/hr	VOC lb/hr	CO lb/hr
66FL1 66FL2	8.0	4.0	38.6	22.4
66FL3 66FL12	86.8	8.1	23.4	45.7
66FL6 66FL12	160.7	4.6	11.4	26.2
66FL4 66FL6	103.4	5.5	60.6	43.6

69. The Acid Gas Flare (EPN 66FL6) and the Derrick Flare (EPN 66FL13) are affected facilities under the EPA regulations in 40 CFR Part 60 (NSPS) and are subject to the requirements of Subpart A and Subpart J (40 CFR Part 60, Subparts A and J) for sulfur dioxide. **(05/08)**
70. The East Refinery Flare (EPN 66FL1), West Refinery Flare (EPN 66FL2), CAT Flare (EPN 66FL3), and GOHDS Flare (EPN 66FL12) are affected facilities, as of December 31, 2011, under the EPA regulations in 40 CFR Part 60 (NSPS) and are subject to the requirements of Subpart J (40 CFR, Part 60, Subpart J). **(02/12)**

The permit holder will operate and maintain a flare gas recovery system to control continuous or routine combustion in the Flaring Device. Use of a flare gas recovery system on a flare obviates the need to continuously monitor and maintain records of hydrogen sulfide in the gas as otherwise required by 40 CFR Part 60.105(a)(4) and 60.7. However the determination of hydrogen sulfide in the gases directed to these flares, through lab data/engineering estimates, and maintenance of records of these determinations, is still required to demonstrate compliance with permit conditions (other than NSPS Subpart J) and MAERT limits under such conditions where hydrogen sulfide may be present in the flared gas stream.

Steam Methane Reformer Furnace Tube Replacement

71. The furnace tube replacement in steam methane reformer forty-one authorized by the amendment, PI-1 dated November 16, 2009, was determined not to be subject to major new source review by identifying projected actual emission rates for the facilities potentially affected by the project in Table A-3 entitled Unit 41 SMR Heater PSD Applicability and Demand Growth Exclusion, revised on March 18, 2010. Actual emissions from those facilities shall be monitored, recorded and reports made in accordance 30 TAC § 116.121 for the time period specified in 30 TAC § 116.121(b)(1). A copy of Table A-3 shall be attached to the permit kept on-site. **(04/10)**
72. The Gas-Oil Hydro Desulfurization Unit 42 Diesel Flexibility Modification project authorized by the amendment dated May 30, 2012 were determined not to be subject to major new source review by identifying projected actual emission rates for the facilities within the cap of 2,563.30 tons per year of VOCs versus the past actual of emissions within the cap of 2,562.33 tons per year of VOCs. Actual emissions from those facilities shall be monitored, recorded and reports made in accordance Title 30 Texas

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Administrative Code § 116.127 (30 TAC § 116.127) for the time period specified in 30 TAC § 116.121(b)(1). **(06/12)**

Dated: September 24, 2014

Attachment A

Sources Authorized Under Permit by Rule and Standard Permit

EPN	Facility	Authorization
Sulfur C	Area C Truck Loading Rack	Permit by Rule No. 87158
H-28 SEP	Heavy Naphtha Fugitives	Permit by Rule No. 90182
F-22B	U22 Defluorination Project	Permit by Rule No. 95901
U42 Temp CT-A	Cooling Tower	30 TAC § 106.371
U42 Temp CT-B	Cooling Tower	30 TAC § 106.371
F-54-C12Temp1	Cooling Tower	30 TAC § 106.371
F-54-C12Temp2	Cooling Tower	30 TAC § 106.371
F-2-1 and F-2-2	HDS Catalyst Guard Bed Fugitives	Permit by Rule No. 96328
SCC-FUG	Coker Unit Sour Gas Coalescer Fugitives	Permit by Rule No. 98518
F-42-FFS	Unit 42 Feed Filtration System Fugitives	Permit by Rule 99345
F-35AF	Fuel Gas Dehydration Project	Permit by Rule No. 99365
SB-1	Skelly-Belviue Pipeline Project Fugitives	Permit by Rule No. 99373
41H1 FUG	Unit 41 SMR Heater Fugitives	Standard Permit No. 90208
12E6	Engine 46	Standard Permit No. 87458

Dated: September 27, 2013

Emission Sources - Maximum Allowable Emission Rates

Flexible Permit Numbers 9868A and PSDTX102M7

Emission Cap Table

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Emission Caps	See Attachment I for Source Name and Emission Point Number Index	NO _x	1225.76	2465.27
		SO ₂	6620.99	2967.21
		VOC	1681.08	3472.84
		CO	800.06	3483.78
		PM	262.70	1119.57
		NH ₃	0.58	2.47
		Cl ₂	1.24	5.41
		Benzene	12.18	20.28
		H ₂ S	17.97	57.01
		HCl	0.04	0.20
		HF	0.44	1.90
Individual Emission Limits				
85B2	Unit 40 Boiler	NO _x	11.96	52.40
		CO	42.85	187.70
		VOC	3.23	14.13
		PM ₁₀	4.46	19.52
		SO ₂	18.68	81.83
29P1	Unit 29 FCCU Stack	NH ₃	9.75	42.71
		HCl	0.45	1.96
40P1	Unit 40 FCCU Stack	NH ₃	9.75	42.71
		HCl	0.22	0.98
34I1	SRU TGI	NO _x	0.19	0.82

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		CO	0.32	1.38
		VOC	0.21	0.82
		PM ₁₀	0.03	0.13
		SO ₂	0.01	0.01
F-1-8	Merox Process Fugitives (5)	VOC	0.01	0.01
HFTEMP	HF Temporary Tank Process Fugitives (5)	HF	0.01	0.01
		VOC	0.01	0.02
F-28-2Ex	Unit 28 (2) Exchanger and Heater Integration Fugitives (5)	VOC	0.02	0.07
F-28-1Ex	Unit 28 (1) Exchanger and Heater Integration Fugitives (5)	VOC	0.06	0.26
F-32-CIP	Unit 32 Exchanger and Heater Integration Fugitives (5)	VOC	0.04	0.18
F-10B-Ex	Unit 10B Train Exchanger and Heater Integration Fugitives (5)	VOC	0.10	0.43
F-9-Ex	Unit 9 Exchanger and Heater Integration Fugitives (5)	VOC	0.06	0.26
F-10A-Ex	Unit 10A Exchanger and Heater Integration Fugitives (5)	VOC	0.06	0.25
F-67	Crude Unit Pump 67 Fugitives (5)	VOC	0.01	0.05
F-56-1-4-A(2&5)	West DAF	VOC	0.99	4.36
		NH ₃	0.24	1.06
		H ₂ S	1.81	7.91
F-56-1-12	Flash Mixing	VOC	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		NH ₃	0.01	0.01
		H ₂ S	0.01	0.06
F-56-1-17	Flocculation	VOC	0.03	0.13
		NH ₃	0.01	0.03
		H ₂ S	0.05	0.24
53R4	Sulfur Loading	PM	0.23	0.17
		PM ₁₀	0.23	0.17
		PM _{2.5}	0.23	0.17
		H ₂ S	6.93	5.06
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Routine Emissions	VOC	121.47	53.21
		NO _x	17.22	7.55
		CO	109.86	48.12
		SO ₂	100.14	43.85
		H ₂ S	1.55	0.68
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Fuel Gas Long Scenario	VOC	121.47	141.82
		NO _x	17.22	29.96
		CO	110.11	192.91
		SO ₂	100.14	7.35
		H ₂ S	1.55	0.15
FGR-FUG	FGR Fugitives	VOC	5.20	22.79
		H ₂ S	0.01	0.01
66FL1, 66FL2, 66FL3, & 66FL12	Flares – Flare Gas MSS	VOC	121.47	35.00
		NO _x	17.22	6.13
		CO	109.86	34.30
		SO ₂	100.14	250.90
		H ₂ S	1.55	2.23
F-43WHB	Waste Heat Boiler Fugitives	SO ₂	0.01	0.01
		H ₂ S	0.01	0.01

(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.

Emission Sources - Maximum Allowable Emission Rates

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
 - NH₃ - ammonia
 - Cl₂ - chlorine
 - H₂S - hydrogen sulfide
 - HCl - hydrogen chloride
 - HF - hydrogen fluoride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 24, 2014

ATTACHMENT I

CONTAMINANTS, EMISSION POINT NUMBERS, AND SOURCE NAMES

Flexible Permit Numbers 9868A and PSDTX102M7

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.

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
SO₂ SOURCES:		
	2H1	Unit 2-2 HDS Charge Heater
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Heater
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H1	19.2 Charge Furnace
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
SO₂ SOURCES:		
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
SO₂ SOURCES:		
	93E2	Engine No. 38
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler Stack (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	FWP1-5	Fire Water Pump Engines
VOC SOURCES:		
	2H1	Unit 2-2 HDS Charge Heater
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Heater
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H1	19.2 Charge Furnace
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37
	93E2	Engine No. 38
	FWP1-5	Fire Water Pump Engines
	53R1	Refinery Tank Car Loading
	53T1	Refy Tank Truck Loading

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	53R2	Tank Car Tracks 1 and 2
	53R3	Tank Car Tracks 3 and 4
	53T2	South Tank Truck Loading
	56-4	Truck Loading and Fugitives
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	53FL1	Thermal Oxidation Unit
	F-1	Unit 1 Fugitives
	F-1-6	Unit 1.6 Fugitives
	F-1-7	Unit 1.7 Fugitives
	F-2	Unit 2 Columns
	F-2-1	Unit 2.2 Fugitives
	F-2-5	Fractionators
	F-4	Butane Isom Fugitives
	F-Tier 3	Fugitives - Tier 3 Project

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	F-5	Pentane Isom Fugitives
	F-6	Hexane Isom Fugitives
	F-7	Platformer
	F-9	Unit 9 Fugitives
	F-10	Unit 10 Fugitives
	F-11	Deethanizer Unit Fug
	F-12	Cryogenic Gas Plant Fug
	F-13	Clean-Up Unit Fug
	F-19-1	Naphtha HDS Fugitives
	F-19-2	Reformer Fugitives
	F-19-3	Distillate HDS Fugitives
	F-22	HF Alkylation Fugitives
	F-23	St Run Fract Fugitives
	F-26	HO FCCU Fract Fugitives
	F-28	Unit 28 Fugitives
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-34	Sulfur Recovery Unit Fug
	F-35	Unit 35 Fugitives
	F-36	Unit 36 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-41	Fugitives
	F-42	GOHDS Unit 42 Fugitives
	F-43-1	Sulfur Handling/Storage
	F-44	Unit 44 Fugitives
	F-50	Unit 50 Fugitives
	F-51	Unit 51 Fugitives
	F-53-1	Refinery Loading Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	F-53-2	South Loading Rack
	F-55	Air Compressor Fugitives
	F-56	Unit 56 Fugitives
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives
	F-98	SMR Fugitives
	F-68-4a	100M SWT Brine Pond
	F-68-4b	55M SWT Brine Pond
	F-68-4c	100M Sour Brine Pond
	F-68-4d	100M SWT Brine Pond
	F-68-4e	30M SWT Brine Pond
	F-68-4f	300M Sour Brine Pond

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
VOC SOURCES:		
	F-68-4g	2MM Brine Pond
	F-68-4h	3MM Brine Pond
	F-54-C10	Cooling Twr (Refy No. 9)
	F-54-C11	Cooling Twr (Refy No. 3)
	F-54-C12	Cooling Twr (Mar No. 12)
	F-54-C13	Cooling Twr (Prt No. 14)
	F-54-C14	Cooling Twr (Mar No. 15)
	F-54-C15	Cooling Twr (Prt No. 16)
	F-54-C16	Cooling Twr (Prt No. 18)
	F-54-C17	Cooling Twr (Refy No. 8)
	F-54-C18	Cooling Twr (Refy No. 13)
	F-54-C19	Cooling Twr (Refy No. 10)
	F-54-C21	Cooling Twr (Vacuum Unit)
	F-54-C2	Cool Twr (Ecodyne No. 9)
	F-54-C20	Cooling Twr (GOHDS No. 17)
	F-54-C3	Cooling Twr (SF No. 11)
	F-54-C4	Cooling Twr (Mar No. 13)
	F-54-C6	Cooling Twr (Mar No. 10)
	F-54-C7	Cooling Twr (Refy No. 2)
	F-54-C8	Cooling Twr (Refy No. 4)
	F-54-C9	Cooling Twr (Refy No. 7)
	F-56-1-1	West Sump
	F-56-1-3	North Sump
	F-56-1-4-A	Refy Oil/H2O Separators
	F-56-1-6	Storm Water System
	F-56-2	Dixon Creek WWTP
	F-56-1-5	Hazardous Waste Impoundment
	0109	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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VOC SOURCES:

	0110	Tank Storage
	0111	Tank Storage
	0202	Tank Storage
	0401	Tank Storage
	0511	Tank Storage
	0514	Tank Storage
	0552	Tank Storage
	0562	Tank Storage
	0572	Tank Storage
	0573	Tank Storage
	1001	Tank Storage
	1002	Tank Storage
	1003	Tank Storage
	1006	Tank Storage
	1007	Tank Storage
	1012	Tank Storage
	1013	Tank Storage
	1064	Tank Storage
	1067	Tank Storage
	1163	Tank Storage
	1164	Tank Storage
	1165	Tank Storage
	1522	Tank Storage
	2072	Tank Storage
	2510	Tank Storage
	2553	Tank Storage
	2571	Tank Storage
	2572	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

Contaminant (3) Emission
Point No. (1) Source Name (2)

VOC SOURCES:

2575	Tank Storage
2576	Tank Storage
2577	Tank Storage
2578	Tank Storage
2579	Tank Storage
2580	Tank Storage
2670	Tank Storage
2672	Tank Storage
2673	Tank Storage
2674	Tank Storage
2675	Tank Storage
2676	Tank Storage
2677	Tank Storage
2678	Tank Storage
3001	Tank Storage
3002	Tank Storage
3003	Tank Storage
4030	Tank Storage
5001SCRUB	Tank Storage
5505	Tank Storage
5508	Tank Storage
5511	Tank Storage
5520	Tank Storage
5521	Tank Storage
5525	Tank Storage
5531	Tank Storage
5532	Tank Storage
5536	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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VOC SOURCES:

	5537	Tank Storage
	5539	Tank Storage
	5540	Tank Storage
	5541	Tank Storage
	5542	Tank Storage
	5543	Tank Storage
	5544	Tank Storage
	5545	Tank Storage
	5548	Tank Storage
	5550	Tank Storage
	5551	Tank Storage
	5553	Tank Storage
	5554	Tank Storage
	5555	Tank Storage
	5556	Tank Storage
	5557	Tank Storage
	5558	Tank Storage
	5559	Tank Storage
	5560	Tank Storage
	5578	Tank Storage
	5580	Tank Storage
	5583	Tank Storage
	5584	Tank Storage
	5587	Tank Storage
	5588	Tank Storage
	5589	Tank Storage
	5590	Tank Storage
	5591	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NO_x SOURCES:		
	2H1	Unit 2-2 HDS Charge Heater
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Htr
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19B1/19H1	19.2 Charge Furnace
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NO_x SOURCES:		
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37

NO_x SOURCES:

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
	93E2	Engine No. 38
	FWP1-5	Fire Water Pump Engines
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare

CO SOURCES:

2H1	Unit 2-2 HDS Charge Htr
2H2	Deoiler Furnace
4H1	Unit 4 Feed Heater
4H2	Unit 4 Dehydrator Heater
5H1	Unit 5-A Feed Heater
5H2	Unit 5-B Feed Heater
5H3	Unit 5-C Feed Heater
6H3	BHU Reduction Furnace
6H1	Unit 6 Hydro Preheater
7H1-4	Unit 7 Charge Furnace
7H1-4	Unit 7 No. 1 Reheater

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
CO SOURCES:		
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Htr
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19B1/19H1	19.2 Charge Furnace
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Htr
	42H2 (PSD)	Unit 42 Reactor Chg Htr
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
CO SOURCES:		
	98H1	Unit 98 Reformer Furnace
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	12E1	Engine
	12E2	Engine
	12E3	Engine
	12E4	Engine
	12E5	Engine
	12E6	Engine
	12E7	Engine
	93E1	Engine No. 37
	93E2	Engine No. 38
	FWP1-5	Fire Water Pump Engines
	29P1	Unit 29 FCCU Stack
	85B2 (PSD)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
CO SOURCES:		
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
PM SOURCES:		
	F-54-C21	Cooling Twr (Vacuum Unit)
	2H1	Unit 2-2 HDS Charge Htr
	2H2	Deoiler Furnace
	4H1	Unit 4 Feed Heater
	4H2	Unit 4 Dehydrator Heater
	5H1	Unit 5-A Feed Heater
	5H2	Unit 5-B Feed Heater
	5H3	Unit 5-C Feed Heater
	6H3	BHU Reduction Furnace
	6H1	Unit 6 Hydro Preheater
	7E1	Unit 7 Plat Engine No. 1
	7E2	Unit 7 Plat Engine No. 2
	7E3	Unit 7 Plat Engine No. 3
	7E4	Unit 7 Plat Engine No. 4
	7E5	Unit 7 Plat Engine No. 5
	7E6	Unit 7 Plat Engine No. 6
	7H1-4	Unit 7 Charge Furnace
	7H1-4	Unit 7 No. 1 Reheater
	7H1-4	Unit 7 No. 2 Reheater
	7H1-4	Unit 7 No. 3 Reheater
	9H1	Crude Oil Heater
	10H1	Crude Oil Heater
	12E1	Engine No. 41
	12E2	Engine No. 42

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
PM SOURCES:		
	12E3	Engine No. 43
	12E4	Engine No. 44
	12E5	Engine No. 45
	12E6	Engine No. 46
	12E7	Engine No. 47
	FWP1-5	Fire Water Pump Engines
	12H1	Mol Sieve Regen Gas Heater
	19H3	19.1 Naphtha HDS Chg Heater
	19H5	19.1 No. 1 Reboiler
	19H5	19.1 No. 2 Reboiler
	19B1/19H1	19.2 Charge Furnace
	19H6	19.2 Platformer Reheater No. 1
	19B1/19H2	19.2 No. 2 Reheater
	19B1/19H2	19.2 No. 3 Reheater
	19B2/19H4	19.3 Charge Furnace
	19B2/19H4	19.3 Frac Feed Furnace
	22H1	Alky Reboiler Furnace
	26H1	Unit 26 DeC4 Reboiler
	28H1	Unit 28 Charge Heater
	29H4	Unit 29 DeC4 Reboiler
	36H1	HDS Unit Charge Heater
	40H1	Unit 40 Superheater No. 1
	41H1 (PSD)	Unit 41 Reformer Furnace
	42H1 (PSD)	Unit 42 Reactor Chg Heater
	42H2 (PSD)	Unit 42 Reactor Chg Heater
	42H3 (PSD)	Unit 42 Fract Feed Heater
	50H1	Unit 50 Charge Heater
	51H1	Unit 51 Charge Heater
	50HT1	Coker Heater Tank 1

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
PM SOURCES:		
	50HT2	Coker Heater Tank 2
	50HT3	Coker Heater Tank 3
	98H1	Unit 98 Reformer Furnace
	53R4	Tank Car Track 5
	29P1	Unit 29 FCCU Stack
	85B2 (PSD) (4)	Unit 40 Boiler (8/06)
	40P1	Unit 40 FCCU Stack
	93E1	Engine No. 37
	93E2	Engine No. 38
	93E4	Engine No. 40
	34I1	SRU Incinerator
	43I1 (PSD)	SCOT Unit Incinerator
	KG47	Sulfur Tank
	F-50A	Coke Handling Fugitives
	VF-1030	PAC Silo
	VF-2030	PAC Silo
	0309	Tank Storage

BENZENE SOURCES:

66FL1	Refinery East HC Flare
66FL2	Refinery West HC Flare
66FL3	Refinery Cat Flare
66FL6	H ₂ S Emergency Flare
66FL8	100M Sour Brine Flare Pit
66FL10	100M Swt Brine Flare Pit
66FL11	30M Swt Brine Flare Pit

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
BENZENE SOURCES:		
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	53T1	Refy Tank Truck Loading
	53R2	Tank Car Tracks 1 and 2
	53R3	Tank Car Tracks 3 and 4
	53T2	South Tank Truck Loading
	F-1	Unit 1 Fugitives
	F-2	Unit 2 Columns
	F-2-1	Unit 2.2 Fugitives
	F-2-5	South Fractionators
	F-5	Pentane Isom Fugitives
	F-6	Hexane Isom Fugitives
	F-7	Platformer
	F-9	Unit 9 Fugitives
	F-10	Unit 10 Fugitives
	F-11	Deethanizer Unit Fug
	F-12	Cryogenic Gas Plant Fug
	F-13	Clean-Up Unit Fug
	F-19-1	Naphtha HDS Fugitives
	F-19-2	Reformer Fugitives
	F-23	St Run Fract Fugitives
	F-26	HO FCCU Fract Fugitives
	F-28	Unit 28 Fugitives
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-42	GOHDS Unit 42 Fugitives
	F-44	Unit 44 Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
BENZENE SOURCES:		
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-54-C2	Cool Twr (Ecodyne No. 9)
	F-54-C3	Cooling Tower (Santa Fe No. 11)
	F-54-C4	Cooling Twr (Mar No. 13)
	F-54-C6	Cooling Twr (Mar No. 10)
	F-54-C7	Cooling Twr (Refy No. 2)
	F-54-C8	Cooling Twr (Refy No. 4)
	F-54-C9	Cooling Twr (Refy No. 7)
	F-54-C10	Cooling Twr (Refy No. 9)
	F-54-C11	Cooling Twr (Refy No. 3)
	F-54-C12	Cooling Twr (Mar No. 12)
	F-54-C13	Cooling Twr (Prt No. 14)
	F-54-C14	Cooling Twr (Mar No. 15)
	F-54-C15	Cooling Twr (Prt No. 16)
	F-54-C16	Cooling Twr (Prt No. 18)
	F-54-C17	Cooling Twr (Refy No. 8)
	F-54-C18	Cooling Twr (Refy No. 13)
	F-54-C19	Cooling Twr (Refy No. 10)
	F-54-C21	Cooling Twr (Vacuum Unit)
	F-54-C20	Cooling Twr (GOHDS No. 17)
	F-56-1-1	West Sump
	F-56-1-3	North Sump
	F-56-1-4-A	Refy Oil/H2O Separators
	F-56-1-6	Storm Water System
	F-56-2	Dixon Creek WWTP
	F-56-1-5	Hazardous Waste Impoundment
	F-56	Unit 56 Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
BENZENE SOURCES:		
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-85-2	Unit 40 Boiler Fugitives
	0111	Tank Storage
	0202	Tank Storage
	0401	Tank Storage
	0511	Tank Storage
	0514	Tank Storage
	0562	Tank Storage
	0572	Tank Storage
	0573	Tank Storage
	1001	Tank Storage
	1002	Tank Storage
	1003	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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BENZENE SOURCES:

	1006	Tank Storage
	1007	Tank Storage
	1064	Tank Storage
	1163	Tank Storage
	1164	Tank Storage
	1165	Tank Storage
	1522	Tank Storage
	2072	Tank Storage
	2510	Tank Storage
	2553	Tank Storage
	2575	Tank Storage
	2576	Tank Storage
	2577	Tank Storage
	2579	Tank Storage
	2580	Tank Storage
	2673	Tank Storage
	3001	Tank Storage
	3002	Tank Storage
	4030	Tank Storage
	5505	Tank Storage
	5521	Tank Storage
	5532	Tank Storage
	5550	Tank Storage
	5551	Tank Storage
	5553	Tank Storage
	5554	Tank Storage
	5555	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
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BENZENE SOURCES:

	5556	Tank Storage
	5557	Tank Storage
	5558	Tank Storage
	5559	Tank Storage
	5578	Tank Storage
	5580	Tank Storage
	5583	Tank Storage
	5584	Tank Storage
	5591	Tank Storage
	5597	Tank Storage
	5599	Tank Storage
	8001	Tank Storage
	8002	Tank Storage
	8013	Tank Storage
	8031	Tank Storage
	8032	Tank Storage
	8034	Tank Storage
	9201	Tank Storage
	9500	Tank Storage
	9501	Tank Storage
	9502	Tank Storage
	9503	Tank Storage

H₂S SOURCES:

	53R4	Tank Car Track 5
	34I1	SRU Incinerator
	43I1	SCOT Unit Incinerator
	66FL1	Refinery East HC Flare

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
H₂S SOURCES:		
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL6	H ₂ S Emergency Flare
	66FL8	100M Sour Brine Flare Pit
	66FL10	100M Swt Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	F-1-6	Unit 1.6 Fugitives
	F-2-1	Unit 2 Fugitives
	F-5	Pentane Isom Fugitives
	F-7	Platformer
	F-9	Unit 9 Fugitives
	F-10	Unit 10 Fugitives
	F-11	Deethanizer Unit Fug
	F-12	Cryogenic Gas Plant Fug
	F-19-1	Naphtha HDS Fugitives
	F-19-3	Distillate HDS Fugitives
	F-23	St Run Fract Fugitives
	F-26	HO FCCU Fract Fugitives
	F-28	Unit 28 Fugitives
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-34	Sulfur Recovery Unit Fug
	F-35	Unit 35 Fugitives
	F-36	Unit 36 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-41	Fugitives
	F-Tier 3	Fugitives - Tier 3 Project

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
H₂S SOURCES:		
	F-42	GOHDS Unit 42 Fugitives
	F-43-1	Sulfur Handling/Storage
	F-44	Fugitives
	F-56-1-4-A	Refy Oil/H ₂ O Separators
	F-56-2	Dixon Creek WWTP
	0309	Tank Storage
	KG47	Tank Storage
	2530	Tank Storage
	3003	Tank Storage
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NH₃ SOURCES:		
	F-56-1-4-A	Refy Oil/H2O Separators
	F-56-2	Dixon Creek WWTP
	3003	Tank Storage
	F-29	Gas Oil FCCU 29 Fugitives
	F-32	Unit 32 Fugitives
	F-40	Heavy Oil FCCU Fugitives
	F-42	GOHDS Unit 42 Fugitives
	F-43-1	Sulfur Handling/Storage
	F-44	Fugitives
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-85-2	Unit 40 Boiler Fugitives
	F-98	SMR Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
NH₃ SOURCES		
	29P1	Unit 29 FCCU Stack
	40P1	Unit 40 FCCU Stack
HCl SOURCES:		
	66FL1	Refinery East HC Flare
	66FL2	Refinery West HC Flare
	66FL3	Refinery Cat Flare
	66FL8	100M Sour Brine Flare Pit
	66FL11	30M Swt Brine Flare Pit
	66FL12	GOHDS HC Flare
	66FL13	GOHDS Emergency Sulfur Flare
	F-54-C2	Cooling Tower (Ecodyne No. 9)
	F-54-C3	Cooling Tower (Santa Fe No. 11)
	F-54-C4	Cooling Tower (Marley No. 13)
	F-54-C6	Cooling Tower (Marley No. 10)
	F-54-C7	Cooling Tower (No. 2 Refinery)
	F-54-C8	Cooling Tower (No. 4 Refinery)
	F-54-C9	Cooling Tower (No. 7 Refinery)
	F-54-C10	Cooling Tower (No. 9 Refinery)
	F-54-C11	Cooling Tower (No. 3 Refinery)
	F-54-C12	Cooling Tower (Marley No. 12)
	F-54-C13	Cooling Tower (Pritchard No. 14)
	F-54-C14	Cooling Tower (Marley No. 15)
	F-54-C15	Cooling Tower (Pritchard No. 16)
	F-54-C16	Cooling Tower (Pritchard No. 18)
	F-54-C17	Cooling Tower (No. 8 Refinery)
	F-54-C18	Cooling Tower (No. 9 Refinery)
	F-54-C19	Cooling Tower (No. 10 Refinery)

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
HCl SOURCES:		
	F-54-C20	Cooling Tower (GOHDS No. 17)
	F-54-C21	Cooling Tower (Vacuum Unit)
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives
	F-4	Butane Isom Fugitives
	F-6	Hexane Isom Fugitives
Cl₂ SOURCES:		
	F-54-C2	Cooling Tower (Ecodyne No. 9)
	F-54-C3	Cooling Tower (Santa Fe No. 11)
	F-54-C4	Cooling Tower (Marley No. 13)

CONTAMINANTS, EMISSION POINT NUMBERS,
 AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
Cl₂ SOURCES:		
	F-54-C6	Cooling Tower (Marley No. 10)
	F-54-C7	Cooling Tower (No. 2 Refinery)
	F-54-C8	Cooling Tower (No. 4 Refinery)
	F-54-C9	Cooling Tower (No. 7 Refinery)
	F-54-C10	Cooling Tower (No. 9 Refinery)
	F-54-C11	Cooling Tower (No. 3 Refinery)
	F-54-C12	Cooling Tower (Marley No. 12)
	F-54-C13	Cooling Tower (Pritchard No. 14)
	F-54-C14	Cooling Tower (Marley No. 15)
	F-54-C15	Cooling Tower (Pritchard No. 16)
	F-54-C16	Cooling Tower (Pritchard No. 18)
	F-54-C17	Cooling Tower (No. 8 Refinery)
	F-54-C18	Cooling Tower (No. 9 Refinery)
	F-54-C19	Cooling Tower (No. 10 Refinery)
	F-54-C20	Cooling Tower (GOHDS No. 17)
	F-54-C21	Cooling Tower (Vacuum Unit)
HF SOURCES:		
	F-53-1	Refinery Loading Fugitives
	F-53-2	South Loading Rack
	F-66-1	Ref. Flare Area Fugitives
	F-66-2	South Flare Fug
	F-66-3	GOHDS/Cat Area Fugitives
	F-68-1a	GOHDS Storage Fugitives
	F-68-1e	E. Refinery Storage Fugitives
	F-68-1n	N. Refinery Storage Fugitives
	F-68-1r	Rocky Station Fugitives
	F-68-1s	S. Refinery Storage Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

<u>Contaminant (3)</u>	<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>
HF SOURCES:		
	F-68-1t	Taubman Yard Fugitives
	F-68-1w	W. Refinery Storage Fugitives
	F-68-2n	N. Coble Storage Fugitives
	F-68-2s	S. Coble Storage Fugitives
	F-68-3	West Storage Fugitives
	F-68-4t	JTF Fugitives
	F-68-5	Gasoline Blending System
	F-81	Refinery Boilers
	F-82	South Boilers
	F-85-2	Unit 40 Boiler Fugitives
	F-22	HF Alkylation Fugitives

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

- (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) Cl₂ - chlorine
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
H₂S - hydrogen sulfide
NH₃ - ammonia
NO_x - total oxides of nitrogen
PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM2.5, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

Dated: September 24, 2014



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT**



A Permit Is Hereby Issued To
PHILLIPS 66 COMPANY
Authorizing the Construction and Operation of
Borger Refinery
Located at Borger, Hutchinson County, Texas
Latitude **35° 41' 58"** Longitude **-101° 21' 36"**

Permits: 85872 and PSDTX1158M1

Amendment Date : September 4, 2015

Expiration Date: December 11, 2019

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)] ¹
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is

also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled “Emission Sources--Maximum Allowable Emission Rates.” [30 TAC 116.115(b)(2)(F)]¹
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions from this facility must not cause or contribute to a condition of “air pollution”** as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.¹

¹ Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Special Conditions

Permit Numbers 85872 and PSDTX1158M1

Emission Standards and Operating Specifications

1. Emission limitations for the boilers are as follows:
 - A. Skid Boiler [Emission Point Number (EPN): SKIDBLR]
 - (1) Shall be limited to a maximum firing rate of 364.6 million British thermal units per hour (MMBtu/hr) based on the higher heating value of the fuel (HHV).
 - (2) Nitrogen Oxides (NO_x) shall not exceed 0.015 pounds per million British thermal units (lb/MMBtu) while firing refinery fuel gas on a 1-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - (3) NO_x shall not exceed 0.01 lb/MMBtu while firing natural gas on a 1-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - (4) Carbon Monoxide (CO) shall not exceed, during normal operations (loads greater than or equal to 273.7 MMBtu/hr), 50 parts per million, dry (ppmvd) at 3 percent oxygen (O₂) on a rolling 3-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - (5) CO shall not exceed, during hot lay-up operations (loads less than 273.7 MMBtu/hr), 100 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2. **(9/15)**
 - B. Boiler 2.4 (EPN: 81B17)
 - (1) Shall be limited to a maximum firing rate of 462.3 MMBtu/hr (HHV).
 - (2) Pre-modification
 - (a) NO_x shall not exceed 0.115 lb/MMBtu (HHV) or 0.128 lb/MMBtu on the lower heating value (LHV).
 - (b) The boiler shall be used only for emergencies or during turnarounds on other steam generators.
 - (3) Post-modification **(9/15)**
 - (a) NO_x shall not exceed 0.040 lb/MMBtu heat input (HHV) on a 1-hr average except during the periods defined in Special Condition No. 2.
 - (b) NO_x shall not exceed, during hot lay-up operations (loads less than 346.7 MMBtu/hr), 0.08 lb/MMBtu on a 1-hr average except during the periods defined in Special Condition No. 2.
 - (c) CO shall not exceed 50 ppmvd on a rolling 3-hr average except during the periods defined in Special Condition No. 2.
 - (d) CO shall not exceed, during hot lay-up operations (loads less than 346.7 MMBtu/hr), 100 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2.

- C. Boiler 12 (EPN: BLR12) **(9/15)**
- (1) Shall be limited to a maximum firing rate of 560 MMBtu/hr (HHV).
 - (2) NO_x shall not exceed 0.015 lb/MMBtu on a 1-hr average except during the periods defined in Special Condition No. 2.
 - (3) CO shall not exceed, during normal operations (loads greater than or equal to 420 MMBtu/hr), 50 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2.
 - (4) CO shall not exceed, during hot lay-up (loads less than 420 MMBtu/hr), 100 ppmvd at 3 percent O₂ on a rolling 3-hr average except during the periods defined in Special Condition No. 2.
2. Maintenance, startup, and shutdown (MSS) and hot standby emissions as defined in this Special Condition, Permit Number No. 80799, and Attachment A are excluded from the limits listed in Special Condition No.1. The emissions from MSS and hot standby shall not exceed the hourly emission rates in the Maximum Allowable Emission Rate Table (MAERT). **(9/15)**
- A. Cold starts shall not exceed 14 hours in duration. A cold start is defined as a start-up that occurs when fuel has not been fired in the boiler within the last 8 hours.
 - B. Warm starts shall not exceed 8 hours in duration. A warm start is any start that is not a cold start.
 - C. Shutdowns shall not exceed 1 hour in duration.
 - D. Hot standby is defined as only pilot ignitors in service.
3. During normal operations opacity of emissions from each boiler stack shall not exceed 5 percent averaged over a six-minute period. During MSS operations, the opacity shall not exceed 15 percent averaged over a six-minute period. The permit holder shall demonstrate compliance with this Special Condition in accordance with the following: **(9/15)**
- A. Visible emission observations shall be conducted and recorded weekly while the facility is operating, unless the unit is not operating for the entire calendar quarter.
 - B. Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point(s). Up to three emission points may be read concurrently, provided that all three emission points are within a 70-degree viewing sector or angle in front **of the observer such that the proper sun position (at the observer's back) can be** maintained for all three emission points. A certified opacity reader is not required for these visible emission observations.
 - C. Contributions from uncombined water shall not be included in determining compliance with this condition.
 - D. If visible emissions are observed from the stack(s), then opacity shall be determined and documented with 24 hours for that emission point using Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9.

- E. If opacity limits of this Special Condition are exceeded, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

Fuel Specifications

- 4. Fuel for the boilers authorized by this permit may consist of refinery fuel gas or natural gas.
 - A. Fuel for Boiler 2.4 (EPN: 81B17) shall not exceed an hydrogen sulfide (H₂S) concentration of 162 ppmv for the short term (3 hour), and 60 ppmv for the annual average. The H₂S concentration in the fuel shall be continuously monitored and recorded according to NSPS, Subpart J requirements.
 - B. Fuel for the Skid Boiler and Boiler 12 (EPNs: SKIDBLR and BLR12) shall not exceed an H₂S concentration of 162 ppmv for the short term (3 hour), and 60 ppmv for the annual average. The H₂S concentration in the fuel shall be continuously monitored and recorded according to NSPS, Subpart Ja requirements. **(9/15)**

Anhydrous Ammonia (NH₃) Storage, Handling, and Safety

- 5. Emissions of ammonia (NH₃) from any boiler using NH₃ control technology shall meet the following requirements:
 - A. NH₃ emissions shall not exceed 10 ppmvd corrected to 3 percent O₂. When using the Stain Tube Method of measurement as authorized in Special Condition 6C, an equivalent ammonia concentration of 12.85 ppmvd at an O₂ percent not to exceed 7 percent shall be the compliance limit. If either the concentration or the percent O₂ is greater than 12.85 and 7 percent, respectively, compliance must be determined using 10 ppmvd corrected to 3 percent O₂.
 - B. Any storage tanks, piping, or other equipment necessary to supply NH₃ to the SCR and their associated fugitives are authorized. Audio, olfactory, and visual checks for NH₃ leaks within the operating area shall be made at least once per day.
 - C. Unless the site has undergone the appropriate review under 40 CFR Part 68, Chemical Accident Prevention Provisions, or the NH₃ kept on site is an amount less than the threshold values in 40 CFR § 68.130, List of Substances, only aqueous NH₃ no greater than 20 percent concentration by volume shall be stored on site.
- 6. One of the following NH₃ monitoring procedures shall be used to demonstrate compliance with the NH₃ emission limit in Special Condition No. 5 for the Skid Boiler (EPN: SKIDBLR) and Boiler 12 (EPN: BLR12). **(9/15)**
 - A. Mass balance-Calculate NH₃ emissions as the difference between the input NH₃, measured by the NH₃ injection rate, and the NH₃ reacted, measured by the

differential NO_x upstream and downstream of the control device which injects urea or NH₃ into the exhaust stream. The equation is:

$$\text{NH}_3 = [(1.71) \times (a/b) \times (106) - c] \times d$$

Where:

- NH₃ = NH₃ concentration on a dry basis in ppmv at 3 percent O₂
- a = NH₃ injection rate in lb/hr
- b = dry exhaust flow rate in lb/hr
- c = change in measured NO_x concentration across catalyst in ppmv at 3 percent O₂
- d = correction factor, the ratio of measured slip to calculated NH₃ slip, where the measured slip is obtained from the stack sampling for NH₃ required by Special Condition No. 11, using either the Phenol-Nitroprusside Method, the Indophenol Method, or EPA Conditional Test Method 27.

- B. Oxidation of NH₃ to nitric oxide (NO)-Convert NH₃ to NO using molybdenum oxidizer and measure NH₃ slip by difference using a NO analyzer. The NO analyzer shall be quality-**assured in accordance with manufacturer's specifications and with a** quarterly CGA with a ten ppmv reference sample of NH₃ passed through the probe and confirming monitor response to within ± 2.0 ppmv.
 - C. Stain tubes-Measure NH₃ using a sorbent or stain tube device specific for NH₃ measurement that is capable of providing a reading within the 5.0 to 13.0 ppmv range. The frequency of sorbent or stain tube testing shall be daily for the first 60 days of operation, after which the frequency may be reduced to weekly testing if operating procedures have been developed to prevent excess amounts of NH₃ from being introduced in the control device and when operation of the control device has been proven successful with regard to controlling NH₃ slip. Daily sorbent or stain tube testing shall resume when the catalyst is within 30 days of its useful life expectancy. Every effort shall be made to take at least one weekly sample near the normal highest NH₃ injection rate.
 - D. Other methods-Monitor NH₃ using another continuous emission monitor system (CEMS) or predictive emissions monitoring system procedure subject to prior approval of the executive director. For purposes of this paragraph, the executive director is the TCEQ Regional Director.
7. Storage and Handling
- A. This permit allows for the construction of one 12,000-gallon NH₃ storage tank, Tank No.TK-SKIDAM.
 - B. The tanks shall be located within:
 - (1) a physical barrier to vehicular traffic; and

- (2) a containment system which is capable of holding the entire volume of material stored.
 - C. Tanks shall be vapor balanced to the transport vessel during all tank filling operations. The vapor return line shall be purged back to either the transport vessel or the storage tank after every tank loading operation and prior to disconnection of the line. Interlocks shall be installed so that the unloading pump will not run unless the vapor return line to the transport vessel is connected.
 - D. All block valves, check valves, shutoff valves, pressure relief valves, and connectors associated with anhydrous NH₃ shall be properly maintained and functioning at all times.
8. Fugitive Emission Monitoring Program
 - A. Piping, Valves, Pumps, and Compressors in NH₃ Service
 - (1) All operating practices and procedures relating to the handling and storage of anhydrous NH₃ shall conform to the safety recommendations specified for that compound by guidelines of the American National Standards Institute and the Compressed Gas Association.
 - (2) Audio, olfactory, and visual checks for NH₃ leaks within the operating area shall be made every 12 hours when the plant is in operation. An NH₃ leak shall be defined as any dripping or exuding of any liquid or gas as detected by sight, smell, or sound from any equipment. Records showing that the individual components are being checked for leaks shall be maintained at the facility. The records shall include the date and time of inspections, inspector identification, number of leaks detected, an identification of the leaking component, and the date and time of leak repair.
 - (3) Immediately, but no later than one-hour upon detection of a leak, plant personnel shall take the following actions:
 - (a) Isolate the leak.
 - (b) Commence repair or replacement of the leaking component.
 - (c) If leak cannot be repaired within six hours, the holder of this permit shall use a leak collection or containment system that minimizes emissions to the atmosphere to control or prevent the leak until repair or replacement can be accomplished.
 - (4) Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available upon request to representatives of the TCEQ.
 - B. A water spray or fog system shall be installed to minimize NH₃ emissions in the event of a release or rupture of the tank.

Piping, Valves, Flanges, Pumps and Compressors in VOC Service (28VHP)

9. 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 Volatile Organic Compound (VOC) has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F; or
 - (2) where operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.
 - (3) The exempted components may be identified by one or more of the following methods:
 - (a) piping and instrumentation diagram (PID); or
 - (b) a written or electronic database.
 - B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
 - C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
 - 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. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe-to-monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe-to-monitor times. A difficult-to-monitor component for which quarterly monitoring is specified may instead be monitored annually.
 - E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be 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. **(9/15)**

Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the removal of a component for repair or replacement results in an open-ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the line or valve must have a cap, blind flange, plug, or second valve installed. **(9/15)**

- 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.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed weekly and recorded in the unit log.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR Part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

Replacements for leaking 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, compressor, and agitator 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 parts per million by volume (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, compressor, and agitator 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. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained.

- 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 that would create more emissions than the repair would eliminate, 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 within 15 days of the detection of the leak.
- J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. **Records of physical inspections shall be noted in the operator's log or equivalent.**
- 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 New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.

Federal Applicability

- 10. These facilities shall comply with applicable requirements of the EPA regulations on Standards of Performance for New Stationary Sources, Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):
 - A. Subpart A: General Conditions.
 - B. Subpart Db: Standards of Performance for Industrial-Commercial-Intuitional Steam Generating Units. (Skid Boiler and Boiler 12)
 - C. Subpart J: Standards of Performance for Petroleum Refineries. (Boiler 2.4)
 - D. Subpart Ja: Standards of Performance for Petroleum Refineries for which construction, reconstruction, or modification commenced after May 14, 2007. (Skid Boiler and Boiler 12) **(9/15)**
- 11. The boilers authorized by this permit shall comply with applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants (HAPs) for Source Categories, 40 CFR Part 63: **(9/15)**
 - A. Subpart A: General Provisions.

- B. Subpart DDDDD: National Emission Standards for HAPs for Industry, Commercial, and Institutional Boilers and Process Heaters

Initial Determination of Compliance

12. Sampling ports and platform(s) shall be incorporated into the design of the stack according to the specifications set forth in Chapter 2 of the TCEQ guidance document entitled **“Sampling Procedures Manual.”** **Alternate sampling facility designs may be submitted for approval to the TCEQ Regional Director.**

13. 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 the boilers (EPNs: SKIDBLR, 81B17, and BLR12). The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his or her expenses. **(9/15)**

- A. The appropriate TCEQ Regional Office and local air pollution control agencies having jurisdiction 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) the date for pretest meeting;
- (2) the date sampling will occur;
- (3) the name of firm conducting sampling;
- (4) the type of sampling equipment to be used; and
- (5) the method or procedure to be used in sampling.

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 appropriate TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Permitting and Registration, Air Permits Division. Test waivers and alternate or equivalent procedure proposals for testing under 40 CFR Part 60, Standards of Performance for New Stationary Sources, which must have the EPA approval shall be submitted to the TCEQ Air Permits Division.

- B. Air contaminants emitted from boilers (EPNs: SKIDBLR, 81B17, and BLR12) to be tested at maximum heat input include, but are not limited to, NO_x, CO, O₂, and NH₃, if applicable. If fuel gas will be used, the boiler must fire the maximum percentage of the non-natural gas part of the fuel gas intended during normal operation for this test. Future increases in the percentage of fuel gas in the boiler fuel or significant changes in fuel gas composition will require approval of the appropriate TCEQ Regional Director and could include retesting under this condition.

14. Sampling shall occur within 180 days after installation or modification of the boiler. Requests for additional time to perform sampling shall be submitted to the appropriate TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 requires EPA approval, and requests shall be submitted to the TCEQ Regional Director.
15. Copies of the final sampling report shall be submitted to the appropriate TCEQ Regional Office and any local air pollution control agencies having jurisdiction within 60 days after sampling is completed. Sampling reports shall comply with the provisions of Chapter 14 of the TCEQ **“Sampling Procedures Manual.”**

Continuous Determination of Compliance

16. The holder of this permit shall install, calibrate, maintain, and operate a CEMS to determine the in-stack concentration of NO_x and CO for the following :
 - A. Skid Boiler (EPN: SKIDBLR) and Boiler 12 (EPN: BLR12). **(9/15)**
 - B. Boiler 2.4 (EPN: 81B17), contingent upon project completion. **(9/15)**
17. CEMS requirements. The owner or operator of any CEMS must comply with the following:
 - A. The CEMS shall meet the requirements of 40 CFR Part 60 as follows:
 - (1) Section 60.13, Monitoring Requirements;
 - (2) Appendix B, Performance Specifications:
 - (a) Performance Specification 2, for NO_x in terms of lb/MMBtu. An alternative relative accuracy requirement of ± 2.0 ppmv from the reference method mean value is allowed;
 - (b) Performance Specification 3, for diluent; and
 - (c) Performance Specification 4, for CO, for owners or operators required to use a CO CEMS.
 - (3) Appendix F, Quality Assurance Procedures:

For boilers with a heat input of 250 MMBtu/hr or greater, conduct audits for NO_x, CO, and diluent analyzers in accordance with § 5.1 of Appendix F. There shall be a verbal notification to the appropriate TCEQ Regional Office of the date of any CEMS RATA at least 15 days prior to such date followed by written notification within 15 days after testing is completed.
 - B. Monitor diluent, either O₂ or carbon dioxide.

- C. Sharing of CEMS.
 - (1) One CEMS may be shared among units, provided:
 - (a) the exhaust stream of each stack is analyzed separately; and
 - (b) the CEMS meets the certification requirements of Paragraph a. for each stack while the CEMS is operating in the time-shared mode.
 - (2) Exhaust streams of units which vent to a common stack do not need to be analyzed separately.
- D. If subject to 40 CFR Part 75, Continuous Emission Monitoring, as an alternative to Paragraph a., an owner or operator may choose to comply with the CEMS requirements of 40 CFR Part 75.
- E. The owner or operator shall use one of the following methods to provide substitute emissions compliance data during periods when the NO_x CEMS is off-line:
 - (1) use the missing data procedures specified in 40 CFR Part 75, Subpart D, Missing Data Substitution Procedures; or
 - (2) use the maximum block one-hour emission rate as measured during the initial demonstration of compliance.

Maintenance (9/15)

- 18. Compliance with the emissions limits for planned maintenance activities for EPNs: SKIDBLR, 81B17, BLR12, and MSSFUG identified in Attachment A may be demonstrated as follows.
 - A. For each pollutant emitted during planned maintenance activities whose emissions are measured using a CEMS, the permit holder shall for each calendar month **compare the pollutant's short-term** (hourly) emissions as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.
 - B. For each pollutant emitted during planned maintenance activities whose emissions occur through a stack the permit holder shall for each calendar month determine the total emissions of the pollutant.
 - C. Sum all emissions from planned maintenance activities on a 12-month rolling basis for each EPN to show compliance with the MAERT.

Recordkeeping Requirements

- 19. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.
 - A. A copy of this permit.

- B. Permit application dated August 8, 2008, and subsequent representations submitted to the TCEQ.
20. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:
- A. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 13 to demonstrate initial compliance.
 - B. Stack sampling results or other air emissions testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit.
 - C. The NO_x, CO, and diluent gases, such as O₂ CEMS emissions data to demonstrate compliance with the emission rates listed in the MAERT.
 - D. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems.
 - E. Records of the hours of operation of the boilers.
 - F. Records of NH₃ emissions sampling and calculations pursuant to Special Condition No. 6.
 - G. Written records of any accidental releases, spills, or venting of NH₃ and the corrective action taken.
 - H. Written records of maintenance performed to any piping and valves in NH₃ service pursuant to Special Condition No. 8.
 - I. Records to identify the times when emissions data have been excluded from the calculation of the performance standards in Special Condition No. 1 because of startup and shutdown activities.
 - J. Startup and shutdown records: Hourly records shall be made of startup and/or shutdown events. These records shall include (but are not limited to) the following: type of fuel burned; quantity of each type of fuel burned; emissions from the event; and the date, time, and duration of the event.
 - K. Written records of audio, olfactory, and visual checks.
 - L. Records of visible emissions observations, opacity readings, and any corrective action taken to demonstrate compliance with Special Condition No. 3. **(9/15)**
 - M. Records of natural gas and refinery fuel usage and the sulfur content according to the fuel suppliers for the boilers to show compliance with Special Condition No. 4.
 - N. Records of maintenance activities and calculations as required by Special Condition No. 18. **(9/15)**

Reporting

21. The holder of this permit shall submit to the TCEQ Amarillo Regional Office and the Air Enforcement Branch of the EPA in Dallas excess emission and monitoring system reports as described in 40 CFR § 60.7 on a semiannual basis. Such reports are required for each emission unit which is required to be continuously monitored pursuant to this permit.

Date: September 4, 2015

Permit Numbers 85872 and PSDTX1158M1

Attachment A

Planned Maintenance Activities							
Activity	EPN	Emissions					
		NO _x	CO	VOC	PM	SO ₂	NH ₃
Combustion Optimization ¹	SKIDBLR 81B17 BLR12	X	X	X	X	X	X
Boiler General Maintenance ²	MSSFUG				X		
Catalyst Handling and Maintenance ³	MSSFUG				X		
Gaseous fuel venting ⁴	MSSFUG			X			
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, PEMS.	MSSFUG	X	X	X	X	X	
Small equipment and fugitive component repair/replacement in VOC and NH ₃ service ⁵	MSSFUG			X	X		X

Date: September 4, 2015

¹ Includes, but is not limited to, (i) leak and operability checks (e.g., turbine over-speed tests, troubleshooting), (ii) balancing, and (iii) tuning activities that occur during seasonal tuning or after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances

² Includes pre-heater basket handling and maintenance, refractory change-out, fan maintenance and balancing, damper, air heater, and soot blower maintenance, and any other general boiler maintenance that does not exceed the worst-case emissions representation in the application.

³ Includes, but is not limited to, replacement, cleaning, activation, and deactivation of SCR and oxidation catalysts.

⁴ Includes, but is not limited to: venting prior to pipeline pigging, and meter proving.

⁵ Includes, but is not limited to, (i) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters and screens in natural gas, fuel oil, diesel oil, ammonia, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service, and (iii) off-line NO_x control device maintenance (including maintenance of the anhydrous ammonia systems and aqueous ammonia systems associated with SCR systems and SNCR systems)

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 85872 and PSDTX1158M1

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
SKIDBLR	Skid Boiler (5)	NO _x	5.47	25.33
		NO _x (MSS)	38.28	-
		CO	22.98	109.53
		CO (MSS)	269.11	-
		VOC	1.97	8.61
		PM	2.72	11.90
		PM ₁₀	2.72	11.90
		PM _{2.5}	2.72	11.90
		SO ₂	12.57	20.65
		NH ₃	2.80	12.26
81B17	Boiler 2.4 Pre-modification	NO _x	53.24	71.50
		CO	23.12	31.04
		VOC	2.49	3.35
		PM ₁₀	3.44	4.63
		PM _{2.5}	3.44	4.63
		SO ₂	14.43	7.27

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
81B17	Boiler 2.4 (5) Post-modification	NO _x	18.49	82.35
		NO _x (MSS)	48.54	-
		CO	29.14	139.45
		CO (MSS)	291.43	-
		VOC	2.49	10.92
		PM	3.44	15.09
		PM ₁₀	3.44	15.09
		PM _{2.5}	3.44	15.09
		SO ₂	15.94	26.19
BLR12	Boiler 12 (5)	NO _x	8.40	38.61
		NO _x (MSS)	58.80	-
		CO	35.30	166.06
		CO (MSS)	353.02	-
		VOC	3.02	13.23
		PM	4.17	18.28
		PM ₁₀	4.17	18.28
		PM _{2.5}	4.17	18.28
		SO ₂	19.31	31.72
FUG	Boiler Fugitives (6)	VOC	0.09	0.41
		NH ₃	0.12	0.50

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MSSFUG	Planned Maintenance Activities (6)	NO _x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	14.58	0.55
		PM ₁₀	0.16	0.02
		PM _{2.5}	0.16	0.02
		SO ₂	<0.01	<0.01
		NH ₃	<0.01	<0.01

- (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) NO_x - total oxides of nitrogen
 CO - carbon monoxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 SO₂ - sulfur dioxide
 NH₃ - ammonia
 MSS - maintenance, startup, and shutdown
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates include emission from MSS.
- (5) Planned MSS for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 4, 2015



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT**



A Permit Is Hereby Issued To
PHILLIPS 66 COMPANY
Authorizing the Construction and Operation of
Borger Refinery
Located at Borger, Hutchinson County, Texas
Latitude 35° 41' 58" Longitude -101° 21' 36"

Permit: GHGPSDTX130

Issuance Date : _____ September 4, 2015 _____

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]¹
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is

also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled “Emission Sources--Maximum Allowable Emission Rates.” [30 TAC 116.115(b)(2)(F)]¹
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions from this facility must not cause or contribute to a condition of “air pollution”** as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.¹

¹ Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Special Conditions

Permit Number GHGPSDTX130

1. This permit covers only those sources of emissions listed in the attached table entitled “**Emission Sources - Maximum Allowable Emission Rates**” (**MAERT**), and those sources are limited to the emission limits and other conditions specified in the attached table. The annual rates are based on a rolling 12-month period. This permit authorizes planned maintenance, startup, and shutdown (MSS) activities which comply with the emission limits in the MAERT.

Emission Standards and Operating Specifications

2. Emission limitations for the boilers are as follows:
 - A. Skid Boiler [Emission Point Number (EPN): SKIDBLR] shall be limited to the following:
 - (1) A maximum firing rate of 364.6 million British thermal units per hour (MMBtu/hr) based on the higher heating value (HHV) of the fuel.
 - (2) On a 12-month rolling average meet 130 pounds of carbon dioxide per MMBtu (lb CO₂/MMBtu) based on the HHV of the fuel, for all operational periods.
 - B. Boiler 2.4 (EPN: 81B17) shall be limited to the following:
 - (1) A maximum firing rate of 462.3 MMBtu/hr based on the HHV of the fuel.
 - (2) On a 12-month rolling average meet 130 lb CO₂/MMBtu based on the HHV of the fuel, for all operational periods.
 - C. Boiler 12 (EPN: BLR12) shall be limited to the following:
 - (1) A maximum firing rate of 560 MMBtu/hr based on the HHV of the fuel.
 - (2) On a 12-monthly rolling average meet 130 lb CO₂/MMBtu based on the HHV of the fuel, for all operational periods.
 - D. If construction of the physical modifications to Boiler 2.4 and Skid Boiler does not commence within the timeframes identified in 30 TAC § 116.120 and 40 CFR § 52.21(r)(2), authorization to physically modify Boiler 2.4 and Skid Boiler, as described in the application dated August 15, 2014 to amend New Source Review (NSR) Air Permit No. 85872, shall be void. In this case, the associated emission limitations for the modifications to Boiler 2.4 and Skid Boiler in this Permit No. GHGPSDTX130, including the permit representations, special conditions, and the MAERT, shall also be void.

Fuel Specifications

3. Fuel for the boilers authorized by this permit may consist of refinery fuel gas, natural gas, or a blend of the two fuels.

Fugitives

4. Piping and valves in fuel gas service shall be monitored for equipment leaks under TCEQ NSR Air Permit No. 85872.

Maintenance

5. The Borger Refinery (EPNs: SKIDBLR, 81B17, and BLR12) is authorized a total annual blowdown of volume of gas not to exceed 415,922 standard cubic feet per year.

Initial Demonstration of Compliance

6. The permit holder shall demonstrate that CO₂ emissions from the boilers are consistent with the emission limits of this permit by using data from the first thirty days of boiler operations following construction of Boiler 12 and the modifications of the Skid Boiler and Boiler 2.4. For each boiler, within 45 days after collecting the data, the permit holder shall submit a report to the region identifying whether the data causes any concern regarding **the permit holder's ability to comply with the applicable limitations.**

Continuous Demonstration of Compliance

7. The HHV of the fuel fired in the boiler shall be determined monthly per 40 CFR § 98.33(a)(2)(ii)(A).
8. The carbon content of the fuels shall be obtained by testing per 40 CFR § 98.34(b)(3).
9. The permit holder shall install, calibrate, maintain, and operate continuous monitoring systems to monitor and record the average hourly fuel gas consumption of each boiler. The flow meters shall be calibrated in accordance with 40 CFR 98.34(b)(1).

Calculation Methodology

10. Calculations of emissions of CO₂, methane (CH₄), and nitrous oxide (N₂O) to determine compliance with the MAERT CO₂e emission limitation shall be calculated in the following manner by the end of the current month for the previous rolling 12-month basis.
 - A. Any referenced methodology of 40 CFR Part 98 is modified as follows:
 - (1) References to annual measurements are to be construed as a rolling 12-month total if the variable is measured on a monthly or more frequent basis.
 - (2) References to annual measurements that are not measured at a frequency greater than one month (e.g. quarterly or semiannual) are to be construed as the average of the most recent measurements based on a rolling twelve month period (e.g. average of 4 quarterly or 2 semiannual).

- B. For the Boilers (EPNs: SKIDBLR, 81B17, and BLR12)
 - (1) Use the rolling 12-month total fuel flow rate.
 - (2) Use the methodology in 40 CFR § 98.33(a)(3)(iii) (Equation C-5) with CO₂ converted to short tons. In Equation C-5, the carbon content is determined using 40 CFR 98.34(b)(4) at the frequency specified in 40 CFR 98.34(b)(3).
 - (3) Use the default CH₄ and N₂O emission factors contained in Table C-2 and Equation C-9a of 40 CFR Part 98, and
- C. Fugitive Equipment Leaks (EPN: FUG)
 - (1) Use the methodology in 40 CFR § 98.253(l) with CH₄ converted to short tons.
- D. The permit holder shall calculate the CO₂e emissions on a 12-month rolling basis, based on the procedures and Global Warming Potentials (GWP) contained in Greenhouse Gas Regulations, 40 CFR Part 98, Subpart A, Table A-1, as published on November 29, 2013 (78 FR 71904).

Recordkeeping Requirements

- 11. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.
 - A. A copy of this permit.
 - B. Permit application dated January 14, 2015, and subsequent representations submitted to the TCEQ.
- 12. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:
 - A. Records of the hours of operation for each boiler.
 - B. Records of HHV and carbon content of the fuel.
 - C. Records of fuel usage on an hourly and 12-month rolling average for each boiler.
 - D. Records of parameters used in calculations and the calculations required to show compliance with the emission rate limits listed in the MAERT.

Date: September 4, 2015

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX130

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for **sources of air contaminants on the applicant's property** authorized by this permit. Any proposed increase in emission rates may require an application for a modification of the facilities authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
SKIDBLR	Skid Boiler	N ₂ O (5)	2
		CH ₄ (5)	10
		CO ₂ (5)	188,441
		CO ₂ e	189,251
81B17	Boiler 2.4	N ₂ O (5)	2
		CH ₄ (5)	12
		CO ₂ (5)	238,938
		CO ₂ e	239,963
BLR12	Boiler 12	N ₂ O (5)	3
		CH ₄ (5)	15
		CO ₂ (5)	289,430
		CO ₂ e	290,675
FUG	Boiler Fugitives (6)	CH ₄ (5)	8
		CO ₂ e	192
MSSFUG	Planned Maintenance Activities (6)	CH ₄ (5)	1
		CO ₂ e	19

(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) CH₄ - methane
 CO₂ - carbon dioxide
 CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014): CO₂ (1), N₂O (298), CH₄ (25), and SF₆ (22,800).

Emission Sources - Maximum Allowable Emission Rates

N₂O - nitrous oxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. These emission rates include maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 4, 2015

EXHIBIT E

Statement of Basis, Permit No. O1440

Statement of Basis of the Federal Operating Permit

Phillips 66 Company

Site Name: Borger Refinery

Physical Location: The facility is located northeast of Borger in Hutchinson County, Texas on Spur 119 (Phillips Rd) one mile from intersection of Spur 245 and Spur 119

Nearest City: Borger

County: Hutchinson

Permit Number: O1440

Project Type: Renewal

Standard Industrial Classification (SIC) Code: 2911

SIC Name: Petroleum Refining

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

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

Prepared on: September 22, 2015

Revised on: May 25, 2017

Operating Permit Basis of Determination

Permit Area Process Description

The Borger Refinery process begins when crude oil and recycle streams are desalted. The treated crude is then separated into components using atmospheric distillation. The lighter materials go to another unit for further fractionation in the Natural Gas Liquid (NGL) side. The remaining liquid undergoes further processing. In the desulfurization process, hydrogen reacts over catalyst with sulfur bound in organic molecules to produce H₂S. H₂S containing streams from other refinery and NGL processes are treated at the individual units or in the amine treater, with the purified H₂S going to a unit for sulfur recovery. The HDS units treat refinery streams with hydrogen from the reformer to remove sulfur. Products from this process are used as NGL feed, fractionated at another unit, or blended into final products (furnace oil, jet fuels, stove oil, kerosene, dual purpose fuel oil, etc.)

Heavier streams from the crude units and desulfurization units go to the catalytic cracking units, where long chain hydrocarbons are “cracked” into smaller molecules, which are subsequently fractionated and sent to appropriate further processing or product storage.

NGL products are fuel gas for complex use, petrochemicals, solvents and blend stocks for liquid fuels. Front end fractionation splits the various feed streams by molecular weight. The products of this fractionation process go to the pentane fractionation/isom processes, to a HDS unit, or to the refinery. The pentane processes are designed to maximize the yield of isopentane, which is used mostly as a high-octane blend stock.

FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: O2166

Major Source Pollutants

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

Major Pollutants	VOC, SO ₂ , PM, NO _x , HAPS, CO, GHG
------------------	------------------------------------------------------------

Reading State of Texas’s Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

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

- General Terms and Conditions
- Special Terms and Conditions
 - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

- Additional Monitoring Requirements
- New Source Review Authorization Requirements
- Compliance Requirements
- Protection of Stratosphere Ozone
- Permit Location
- Permit Shield (30 TAC § 122.148)
- Attachments
 - Applicable Requirements Summary
 - Unit Summary
 - Applicable Requirements Summary
 - Additional Monitoring Requirements
 - Permit Shield
 - New Source Review Authorization References
 - Compliance Plan
 - Alternative Requirements
- Appendix A
 - Acronym list
- Appendix B
 - Copies of major NSR authorizations

General Terms and Conditions

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

Special Terms and Conditions

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

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

Attachments

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

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting

requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

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

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

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

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

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

Appendix A

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

Appendix B

Copies of major NSR authorizations applicable to the units covered by this permit have been included in this Appendix, to ensure that all interested persons can access those authorizations.

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

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

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

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

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

Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

Federal Regulatory Applicability Determinations

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

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	Yes
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	No

Basis for Applying Permit Shields

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

Insignificant Activities

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

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).

11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

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

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

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of

units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

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

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

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

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
12E1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-6	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	
12E2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-6	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
12E3	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-6	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	
12E4	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-6	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
12E5	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-6	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	
12E6	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
12E7	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	
7E1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than an oxidation catalyst</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
7E2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than an oxidation catalyst</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	
7E3	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than an oxidation catalyst</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
7E4	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than an oxidation catalyst</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	
7E5	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than an oxidation catalyst</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
7E6	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Control technique other than an oxidation catalyst</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting the concentration of carbon monoxide in the stationary RICE exhaust.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	
93E1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-4	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	
93E2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-4	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
ENG-SC-1	40 CFR Part 60, Subpart IIII	60IIII-3	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating is greater than or equal to 75 KW and less than or equal to 368 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2009.</p>	
ENG-SC-1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
ENG-SD1	40 CFR Part 60, Subpart IIII	60IIII-1	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2007.</p>	
ENG-SD1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
ENG-SD2	40 CFR Part 60, Subpart IIII	60IIII-1	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2010.</p>	
ENG-SD2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
ENG-SD3	40 CFR Part 60, Subpart IIII	60IIII-1	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2007.</p>	
ENG-SD3	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
ENG-SD4	40 CFR Part 60, Subpart IIII	60IIII-1	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2013.</p>	
ENG-SD4	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
ENG-SD5	40 CFR Part 60, Subpart IIII	60IIII-2	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating is greater than or equal to 19 KW and less than 37 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2011.</p>	
ENG-SD5	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp less than 100 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	
FWP1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Emergency use where the RICE does not operate or is not contractually obligated to be available for more than 15 hours per calendar year as specified in 40 CFR §63.6640(f)(2)(ii)-(iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
FWP2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Emergency use where the RICE does not operate or is not contractually obligated to be available for more than 15 hours per calendar year as specified in 40 CFR §63.6640(f)(2)(ii)-(iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
FWP3	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Emergency use where the RICE does not operate or is not contractually obligated to be available for more than 15 hours per calendar year as specified in 40 CFR §63.6640(f)(2)(ii)-(iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
FWP4	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Emergency use where the RICE does not operate or is not contractually obligated to be available for more than 15 hours per calendar year as specified in 40 CFR §63.6640(f)(2)(ii)-(iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
FWP5	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Emergency use where the RICE does not operate or is not contractually obligated to be available for more than 15 hours per calendar year as specified in 40 CFR §63.6640(f)(2)(ii)-(iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
GRP-EBCENG	40 CFR Part 60, Subpart IIII	60IIII-3	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating is greater than or equal to 75 KW and less than or equal to 368 KW.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2009.</p>	
GRP-EBCENG	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
0111	40 CFR Part 60, Subpart Ka	60Ka	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is less than 1.5 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating-type cover</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is greater than 1.0 psia</p>	
0111	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Ka</p> <p>Storage Vessel Description = Storage vessel does not have an external floating roof.</p>	
0111	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
0202	40 CFR Part 60, Subpart Ka	60Ka	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is less than 1.5 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating-type cover</p> <p>Reid Vapor Pressure = RVP not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is greater than 1.0 psia</p>	
0202	40 CFR Part 61, Subpart FF	61FF	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
0202	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Ka</p> <p>Storage Vessel Description = Storage vessel does not have an external floating roof.</p>	
0202	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
0401	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
0401	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
0562	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
0562	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
0562	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
1001	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
1001	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
1001	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
1002	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
1002	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
1002	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
1025	40 CFR Part 63, Subpart CC	63CC	<p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H</p> <p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>By-pass Lines = Closed vent system has no by-pass lines.</p> <p>Emission Control Type = Closed vent system and control device</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Control Device Type = Flare</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p>	
1064	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
1064	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
1064	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
1163	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
1163	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
1163	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
1165	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
1165	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Volatile organic liquid other than crude oil, refined petroleum products or waste of variable or indeterminate composition</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
1165	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
2072	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
2072	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
2072	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
2510	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
2510	40 CFR Part 63, Subpart CC	63CC-1	<p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Two seals, one above the other, the primary seal being a metallic shoe seal</p>	
2510	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
2576	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
2576	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
2576	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
2577	40 CFR Part 60, Subpart Kb	60KB	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal	
2577	40 CFR Part 63, Subpart CC	63CC	Product Stored = Refined petroleum products Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters) Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb. Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal	
2577	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
2579	40 CFR Part 60, Subpart Kb	60KB	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal	
2579	40 CFR Part 63, Subpart CC	63CC	Product Stored = Volatile organic liquid other than crude oil, refined petroleum products or waste of variable or indeterminate composition Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters) Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb. Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal	
2579	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
2580	40 CFR Part 60, Subpart Kb	60KB	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
2580	40 CFR Part 63, Subpart CC	63CC	Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb. Group 1 Storage Vessel = The storage vessel is a Group 2 vessel. Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.	
2673	40 CFR Part 60, Subpart Kb	60KB	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal	
2673	40 CFR Part 63, Subpart CC	63CC	Product Stored = Volatile organic liquid other than crude oil, refined petroleum products or waste of variable or indeterminate composition Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6). Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters) Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I. Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb. Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb	
2673	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
3001	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
3001	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
3001	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
3002	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
3002	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
3002	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
3003	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
3003	40 CFR Part 61, Subpart FF	61FF-STORE	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Closed Vent System and Control Device = No closed vent system and control device is used.</p> <p>Kb Tank Type = Using an external floating roof that meets the requirements of 40 CFR § 60.112b(a)(2)</p> <p>Seal Type = Mechanical shoe primary seal</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	
4030	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
4030	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
4030	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5505	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5505	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
5505	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5520	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
5520	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
5520	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5521	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5521	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5521	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5531	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>	
5531	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
5531	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5532	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5532	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5532	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5551	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5551	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5551	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5553	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5553	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5553	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5554	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5554	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5554	40 CFR Part 63, Subpart OO	6300	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
5555	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5555	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5555	40 CFR Part 63, Subpart OO	6300	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
5556	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
5556	40 CFR Part 63, Subpart CC	63CC-1	<p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Fixed roof and an internal floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p>	
5556	40 CFR Part 63, Subpart OO	6300	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5557	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5557	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5557	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5558	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5558	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5558	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
5578	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5578	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
5578	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
5580	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5580	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
5580	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5583	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5583	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5583	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5584	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5584	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5584	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5591	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5591	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5591	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
5592	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5592	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5592	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
5593	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5593	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5593	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5596	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>	
5596	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
5596	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
5597	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
5597	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5597	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
5599	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
5599	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
5599	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8001	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
8001	40 CFR Part 63, Subpart CC	63CC	<p>Existing Source = The storage vessel is at an existing source.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p> <p>Seal Type = Two seals, one above the other, the primary seal being a metallic shoe seal</p>	
8001	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8002	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
8002	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
8002	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
8010	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
8010	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
8010	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
8014	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
8014	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
8014	40 CFR Part 63, Subpart OO	6300	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8031	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
8031	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
8031	40 CFR Part 63, Subpart OO	6300	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8032	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
8032	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
8032	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8034	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
8034	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
8034	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8035	40 CFR Part 61, Subpart FF	61FF	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.	
8035	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
8035	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8036	40 CFR Part 61, Subpart FF	61FF	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
8036	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
8036	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
8037	40 CFR Part 61, Subpart FF	61FF	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.	
8037	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
8037	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
9201	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9201	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
9201	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
9202	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>	
9202	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
9202	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
9400	40 CFR Part 61, Subpart FF	61FF	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9400	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
9400	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
9401	40 CFR Part 61, Subpart FF	61FF	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.	
9401	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
9401	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
9500	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9500	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
9500	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
9501	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
9501	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
9501	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9502	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
9502	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	
9502	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
9503	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
9503	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Kb</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9503	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
9600	40 CFR Part 60, Subpart QQ	60QQQ	<p>Construction/Modification Date = After May 4, 1987</p> <p>Control Device Type = VOC recovery device other than a carbon adsorber</p> <p>Alternate Means of Emission Limitation = The EPA Administrator has not approved an alternate means of emission limitation.</p> <p>Alternative Monitoring = No alternative operational or process parameter is monitored.</p> <p>Alternative Standard = The storage vessel, slop oil tank, or auxiliary tank is not equipped with a floating roof.</p> <p>Subject to 40 CFR Part 60, Subpart K, Ka or Kb = No</p>	
9600	40 CFR Part 61, Subpart FF	61FF	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.	
9600	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
9600	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
9601	40 CFR Part 60, Subpart QQ	60QQQ	<p>Construction/Modification Date = After May 4, 1987</p> <p>Control Device Type = VOC recovery device other than a carbon adsorber</p> <p>Alternate Means of Emission Limitation = The EPA Administrator has not approved an alternate means of emission limitation.</p> <p>Alternative Monitoring = No alternative operational or process parameter is monitored.</p> <p>Alternative Standard = The storage vessel, slop oil tank, or auxiliary tank is not equipped with a floating roof.</p> <p>Subject to 40 CFR Part 60, Subpart K, Ka or Kb = No</p>	
9601	40 CFR Part 61, Subpart FF	61FF	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9601	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
9601	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
9700	40 CFR Part 60, Subpart Ka	60Ka	<p>Product Stored = Crude oil stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is less than 1.5 psia</p> <p>Storage Vessel Description = Emission controls not required (fixed roof)</p> <p>Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is less than or equal to 1.0 psia</p> <p>Estimated True Vapor Pressure = Estimated true vapor pressure is less than or equal to 1.0 psia</p>	
9700	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Ka</p> <p>Storage Vessel Description = Storage vessel does not have an external floating roof.</p>	
9700	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9701	40 CFR Part 60, Subpart Ka	60Ka	<p>Product Stored = Crude oil stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is less than 1.5 psia</p> <p>Storage Vessel Description = Emission controls not required (fixed roof)</p> <p>Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is less than or equal to 1.0 psia</p> <p>Estimated True Vapor Pressure = Estimated true vapor pressure is less than or equal to 1.0 psia</p>	
9701	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Ka</p> <p>Storage Vessel Description = Storage vessel does not have an external floating roof.</p>	
9701	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
9702	40 CFR Part 60, Subpart Ka	60Ka	<p>Product Stored = Crude oil stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters)</p> <p>True Vapor Pressure = TVP is less than 1.5 psia</p> <p>Storage Vessel Description = Emission controls not required (fixed roof)</p> <p>Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is less than or equal to 1.0 psia</p> <p>Estimated True Vapor Pressure = Estimated true vapor pressure is less than or equal to 1.0 psia</p>	
9702	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Ka</p> <p>Storage Vessel Description = Storage vessel does not have an external floating roof.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
9702	40 CFR Part 63, Subpart OO	6300	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
D011	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Carbon adsorption system that does not regenerate the carbon bed directly in the control device</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough.</p>	
D011	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
D011	40 CFR Part 63, Subpart OO	6300	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
GRP-CC-TOA	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRP-CC-T0A	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
GRP-CC-T0A	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
GRP-FF-T3B	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Flare</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	
GRP-FF-T3B	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
GRP-FF-T5A	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRP-FF-T5A	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Closed Vent System and Control Device = A closed vent system and control device is used.</p> <p>Control Device Type/Operations = Carbon adsorption system that does not regenerate the carbon bed directly in the control device</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Seal Type = Mechanical shoe seal</p> <p>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough.</p>	
GRP-FF-T5A	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
GRP-KB-T1A	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
GRP-KB-T1A	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
GRP-KB-T2B	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
GRP-KB-T2B	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRP-KB-T3B	40 CFR Part 60, Subpart Kb	60KB	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>	
GRP-KB-T3B	40 CFR Part 63, Subpart CC	63CC	<p>Product Stored = Refined petroleum products</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters)</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is part of an existing source and is also subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof a with mechanical shoe primary seal</p>	
GRP-KB-T3B	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
GRP-KB-TK3	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>	
GRP-KB-TK3	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
GRP-K-TKO	40 CFR Part 60, Subpart K	60K	Construction/Modification Date = On or before June 11, 1973	
GRP-K-TKO	40 CFR Part 63, Subpart OO	63OO	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.	
TK2530	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
UF17	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Flare</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	
UF17	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
UF17	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
VD114	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Vapor recovery system other than condenser or carbon adsorption system</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	
VD114	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
VD114	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
VF02	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Flare</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	
VF02	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
VF02	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
VF03	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Flare</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	
VF03	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
VF03	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
VF04	40 CFR Part 61, Subpart FF	61FF	<p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Control Device Type/Operations = Flare</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>	
VF04	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The storage vessel is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63 Subparts F, G, H or I = The storage vessel is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Existing Kb Source = The storage vessel is not part of an existing source or is not subject to the provisions of 40 CFR Part 60, Subpart Kb.</p> <p>Group 1 Storage Vessel = The storage vessel is a Group 2 vessel.</p> <p>Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.</p>	
VF04	40 CFR Part 63, Subpart OO	63OO	<p>Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.</p>	
GRP-LOAD	40 CFR Part 63, Subpart CC	63CC-1	<p>Specified in 63.640(g)(1)-(6) = The gasoline loading rack or marine vessel loading operation is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The gasoline loading rack or marine vessel loading operation is not subject to 40 CFR Part 63, Subparts F, G, H, or I.</p> <p>Unit Type = Gasoline loading rack classified under Standard Industrial Classification code 2911.</p> <p>Vapor Processing System = THERMAL OXIDATION SYSTEM</p>	
10H1	40 CFR Part 63, Subpart DDDDD	63DDDD-10+	<p>CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010.</p> <p>Fuel fired= GAS1</p> <p>Heat input capacity = 10 million Btu per hour or greater</p>	The rule citations were determined from an analysis of the rule text and the basis of determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
12H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-5-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.
19B1-H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
19B1-H2#2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
19B1-H2#3	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
19B2-H4	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
19H3	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
19H5#1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
19H5#2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
19H6	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
22H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
25H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
26H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
28H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
29H4	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
2H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
2H2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
36H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
40H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
42H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
42H2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
42H3	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
4H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
4H2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-5-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.
50H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
50HT1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-5-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.
50HT2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-5-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.
50HT3	40 CFR Part 63, Subpart DDDDD	63DDDDDD-5-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
51H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
5H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
5H2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.

5H3	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
6H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 10 million Btu per hour, but greater than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.
6H3	40 CFR Part 63, Subpart DDDDD	63DDDDDD-5-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.
7H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
7H2	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
7H3	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10-	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = less than 10 million Btu per hour, but greater than 5 million Btu per hour	The rule citations were determined from an analysis of the rule text and the basis of determination.
7H4	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
98H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
9H1	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
81B17	40 CFR Part 60, Subpart D	60D	Construction/Modification Date = On or before August 17, 1971.	

81B17	40 CFR Part 60, Subpart Dc	60Dc	Construction/Modification Date = On or before June 9, 1989.	
81B17	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.

85B2	40 CFR Part 60, Subpart Db	60Db-1	<p>Construction/Modification Date = Modified after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Facility Type = The affected facility includes a fuel gas combustion device.</p> <p>Opacity Monitoring Type = Continuous emissions monitoring system for carbon monoxide (CO) installed and operated per 40 CFR § 60.48b(j)(4)</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>60.43b(h)(2) Alternative = The facility is electing to use the alternative requirements of § 60.43b(h)(2) for PM.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>Monitoring Device = An instrument is in place for continuous monitoring and recording the concentration (dry basis) of hydrogen sulfide in fuel gasses before being burned in any fuel gas combustion device.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Common Fuel Source = The fuel gas combustion device has a common fuel source with other fuel gas combustion devices.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAAA.</p> <p>Subpart J = The affected facility meets applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p> <p>Heat Input Wood = The facility combusts no wood or less than 30% wood by heat input.</p>	
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85B2	40 CFR Part 63, Subpart DDDDD	63DDDDD-10+	<p>CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010.</p> <p>Fuel fired= GAS1</p> <p>Heat input capacity = 10 million Btu per hour or greater</p>	<p>The rule citations were determined from an analysis of the rule text and the basis of determination.</p>
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BLR12	40 CFR Part 60, Subpart Db	60Db-1	<p>60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies.</p> <p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Facility Type = The affected facility includes a fuel gas combustion device.</p> <p>Opacity Monitoring Type = Continuous emissions monitoring system for carbon monoxide (CO) installed and operated per 40 CFR § 60.48b(j)(4)</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>Monitoring Device = An instrument is in place for continuous monitoring and recording the concentration (dry basis) of hydrogen sulfide in fuel gasses before being burned in any fuel gas combustion device.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Common Fuel Source = The fuel gas combustion device has a common fuel source with other fuel gas combustion devices.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility meets applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft³.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>	<p>Replaced engine driven 40 CFR Part 60, Subpart Db/SO₂ results with manually added high level 40 CFR Part 60, Subpart Ja (since rules reference table have not yet been developed), per 60.40b(c).</p>
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BLR12	40 CFR Part 60, Subpart Db	60Db-2	<p>60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies.</p> <p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Facility Type = The affected facility includes a fuel gas combustion device.</p> <p>Opacity Monitoring Type = Continuous emissions monitoring system for carbon monoxide (CO) installed and operated per 40 CFR § 60.48b(j)(4)</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>Monitoring Device = An instrument is in place for continuous monitoring and recording the concentration (dry basis) of hydrogen sulfide in fuel gasses before being burned in any fuel gas combustion device.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Common Fuel Source = The fuel gas combustion device has a common fuel source with other fuel gas combustion devices.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility meets applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft³.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>	Replaced engine driven 40 CFR Part 60, Subpart Db/SO ₂ results with manually added high level 40 CFR Part 60, Subpart Ja (since rules reference table have not yet been developed), per 60.40b(c).
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BLR12	40 CFR Part 63, Subpart DDDDD	63DDDDDD-new	<p>CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began after June 4, 2010.</p> <p>Fuel fired= GAS1</p> <p>Heat input capacity = 10 million Btu per hour or greater</p>	The rule citations were determined from an analysis of the rule text and the basis of determination.
SKIDBLR	40 CFR Part 60, Subpart Db	60Db-1	<p>60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies.</p> <p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft³.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>	Replaced engine driven 40 CFR Part 60, Subpart Db/SO2 results with manually added high level 40 CFR Part 60, Subpart Ja (since rules reference table have not yet been developed), per 60.40b(c).

SKIDBLR	40 CFR Part 60, Subpart Db	60Db-2	<p>60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies.</p> <p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Gaseous fossil fuel other than natural gas and coal-derived synthetic fuel meeting the definition of natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Facility Type = The affected facility includes a fuel gas combustion device.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>Monitoring Device = An instrument is in place for continuous monitoring and recording the concentration (dry basis) of hydrogen sulfide in fuel gasses before being burned in any fuel gas combustion device.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>Common Fuel Source = The fuel gas combustion device has a common fuel source with other fuel gas combustion devices.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO2 Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft³.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>	<p>Replaced engine driven 40 CFR Part 60, Subpart Db/SO₂ results with manually added high level 40 CFR Part 60, Subpart Ja (since rules reference table have not yet been developed), per 60.40b(c).</p>
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SKIDBLR	40 CFR Part 63, Subpart DDDDD	63DDDDDD-10+	CONSTRUCTION/RECONSTRUCTION DATE = Construction or reconstruction began on or before June 4, 2010. Fuel fired= GAS1 Heat input capacity = 10 million Btu per hour or greater	The rule citations were determined from an analysis of the rule text and the basis of determination.
66FL1	30 TAC Chapter 111, Visible Emissions	111.111FLARE	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.	
66FL1	40 CFR Part 60, Subpart A	60.18-FLARE	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
66FL1	40 CFR Part 63, Subpart A	63CC-FLARE	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
66FL12	30 TAC Chapter 111, Visible Emissions	111.111FLARE	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.	
66FL12	40 CFR Part 60, Subpart A	60.18 FLARE	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
66FL12	40 CFR Part 63, Subpart A	60VV-FLARE	Required Under 40 CFR Part 63 = Flare is not required by a Subpart under 40 CFR Part 63.	
66FL12	40 CFR Part 63, Subpart A	63H-FLARE	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).	
66FL13	30 TAC Chapter 111, Visible Emissions	111.111ACF	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used only under emergency or upset conditions.	

66FL13	40 CFR Part 60, Subpart A	60.18 FLARE	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Non-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
66FL13	40 CFR Part 63, Subpart A	63A	Required Under 40 CFR Part 63 = Flare is not required by a Subpart under 40 CFR Part 63.	
66FL13	40 CFR Part 63, Subpart A	63CC-FLARE	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Non-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
66FL2	30 TAC Chapter 111, Visible Emissions	111.111FLARE	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.	
66FL2	40 CFR Part 60, Subpart A	60.18-FLARE	Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18. Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). Flare Assist Type = Steam-assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
66FL2	40 CFR Part 63, Subpart A	63CC-FLARE	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	
66FL3	30 TAC Chapter 111, Visible Emissions	111.111FLARE	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.	
66FL3	40 CFR Part 60, Subpart A	60A	Subject to 40 CFR § 60.18 = Flare is not subject to 40 CFR § 60.18.	
66FL3	40 CFR Part 63, Subpart A	63CC-FLARE	Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). Flare Assist Type = Steam assisted Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)	

F-11	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-11	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-11	40 CFR Part 63, Subpart H	63H	EQUIPMENT TYPE = FUGITIVE UNIT DOES NOT CONTAIN EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE	
F-11	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
F-13	40 CFR Part 60, Subpart KKK	60KKK	Facility Type = Affected facility is the group of all equipment except compressors within a process unit. Construction/Modification Date = On or before January 20, 1984.	
F-13	40 CFR Part 60, Subpart VV	60VV	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-13	40 CFR Part 63, Subpart H	63H	EQUIPMENT TYPE = FUGITIVE UNIT DOES NOT CONTAIN EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE	

F-1-6-PB	40 CFR Part 63, Subpart CC	63CCVV-ALL	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES</p> <p>ENCLOSED COMBUSTION DEVICE = YES</p> <p>EXISTING SOURCE = YES</p> <p>FLARE = YES</p> <p>VAPOR RECOVERY SYSTEM = YES</p> <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO</p> <p>COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES</p> <p>ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO</p> <p>FLARE EQUIVALENT EMISSION LIMITATION = NO</p> <p>VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO</p> <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS COMPLYING WITH § 60.482-10 = YES</p> <p>ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES</p> <p>FLARE COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p>	
F-19-1	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	<p>Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006.</p> <p>Equipment Components = Components are present.</p>	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-19-1	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-19-1	40 CFR Part 60, Subpart VV	60VV-1	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-19-1	40 CFR Part 61, Subpart V	61V-1	<p>Vacuum Service = The fugitive unit does not contain components in vacuum service.</p> <p>VHAP Service = The fugitive unit contains no components in VHAP service.</p>	
F-19-1	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	

F-19-2	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-19-2	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-19-2	40 CFR Part 60, Subpart VV	60VV-1	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-19-2	40 CFR Part 61, Subpart V	61V-1	Vacuum Service = The fugitive unit does not contain components in vacuum service. VHAP Service = The fugitive unit contains no components in VHAP service.	
F-19-2	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
F-19-3	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-19-3	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).

F-2	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-2	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-2	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
F-2-1	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-2-1	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-2-1	40 CFR Part 60, Subpart VV	60VV-1	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-2-1	40 CFR Part 61, Subpart V	61V-1	Vacuum Service = The fugitive unit does not contain components in vacuum service. VHAP Service = The fugitive unit contains no components in VHAP service.	
F-2-1	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	

F-4	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-4	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-4	40 CFR Part 60, Subpart KKK	60KKK	Facility Type = Affected facility is the group of all equipment except compressors within a process unit. Construction/Modification Date = On or before January 20, 1984.	
F-4	40 CFR Part 60, Subpart VV	60VV	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-4	40 CFR Part 63, Subpart H	63H	EQUIPMENT TYPE = FUGITIVE UNIT DOES NOT CONTAIN EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE	
F-4	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
F-5	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
F-5	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-5	40 CFR Part 60, Subpart VV	60VV-1	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	

F-5	40 CFR Part 61, Subpart V	61V-1	Vacuum Service = The fugitive unit does not contain components in vacuum service. VHAP Service = The fugitive unit contains no components in VHAP service.	
F-5	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
F-53-2	40 CFR Part 63, Subpart CC	63CCVV-ALL	CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = YES EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO FLARE EQUIVALENT EMISSION LIMITATION = NO VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO AMEL = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES	
F-6	40 CFR Part 60, Subpart VV	60VV-1	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-6	40 CFR Part 63, Subpart CC	63CCVV-ALL	CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = YES EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO FLARE EQUIVALENT EMISSION LIMITATION = NO VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES	

F-6	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
F-66-3	40 CFR Part 63, Subpart CC	63CCVV-ALL	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES</p> <p>ENCLOSED COMBUSTION DEVICE = YES</p> <p>EXISTING SOURCE = YES</p> <p>FLARE = YES</p> <p>VAPOR RECOVERY SYSTEM = YES</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO</p> <p>COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES</p> <p>ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO</p> <p>FLARE EQUIVALENT EMISSION LIMITATION = NO</p> <p>VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES</p> <p>ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES</p> <p>FLARE COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p>	
F-66-FG	40 CFR Part 63, Subpart CC	63CCVV-ALL	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES</p> <p>ENCLOSED COMBUSTION DEVICE = YES</p> <p>EXISTING SOURCE = YES</p> <p>FLARE = YES</p> <p>VAPOR RECOVERY SYSTEM = YES</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO</p> <p>COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES</p> <p>ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO</p> <p>FLARE EQUIVALENT EMISSION LIMITATION = NO</p> <p>VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO</p> <p>CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES</p> <p>ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES</p> <p>FLARE COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p>	
F-67	40 CFR Part 60, Subpart GGGa	60GGGA-ALL	<p>Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006.</p> <p>Equipment Components = Components are present.</p>	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.

F-67	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-68-1S	40 CFR Part 60, Subpart GGG	60GGG	CONSTRUCTION/MODIFICATION DATE = ON OR BEFORE JANUARY 4, 1983	
F-68-1S	40 CFR Part 60, Subpart KKK	60KKK	Facility Type = Affected facility is the group of all equipment except compressors within a process unit. Construction/Modification Date = On or before January 20, 1984.	
F-68-1S	40 CFR Part 60, Subpart VV	60VV	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-68-1S	40 CFR Part 63, Subpart CC	63CCVV-ALL	CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = YES EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO FLARE EQUIVALENT EMISSION LIMITATION = NO VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES	
F-68-1S	40 CFR Part 63, Subpart H	63H	EQUIPMENT TYPE = FUGITIVE UNIT DOES NOT CONTAIN EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE	

F-68-2N	40 CFR Part 63, Subpart CC	63CCVV-ALL	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES</p> <p>ENCLOSED COMBUSTION DEVICE = YES</p> <p>EXISTING SOURCE = YES</p> <p>FLARE = YES</p> <p>VAPOR RECOVERY SYSTEM = YES</p> <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO</p> <p>COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES</p> <p>ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO</p> <p>FLARE EQUIVALENT EMISSION LIMITATION = NO</p> <p>VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO</p> <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS COMPLYING WITH § 60.482-10 = YES</p> <p>ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES</p> <p>FLARE COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p>	
F-68-3	40 CFR Part 60, Subpart GGG	60GGG	CONSTRUCTION/MODIFICATION DATE = ON OR BEFORE JANUARY 4, 1983	
F-68-3	40 CFR Part 60, Subpart KKK	60KKK	<p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p> <p>Construction/Modification Date = On or before January 20, 1984.</p>	
F-68-3	40 CFR Part 60, Subpart VV	60VV	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-68-3	40 CFR Part 63, Subpart CC	63CCVV-ALL	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES</p> <p>ENCLOSED COMBUSTION DEVICE = YES</p> <p>EXISTING SOURCE = YES</p> <p>FLARE = YES</p> <p>VAPOR RECOVERY SYSTEM = YES</p> <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO</p> <p>COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES</p> <p>ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO</p> <p>FLARE EQUIVALENT EMISSION LIMITATION = NO</p> <p>VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO</p> <p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS COMPLYING WITH § 60.482-10 = YES</p> <p>ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES</p> <p>FLARE COMPLYING WITH §60.482-10 = YES</p> <p>VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p>	
F-68-3	40 CFR Part 63, Subpart H	63H	EQUIPMENT TYPE = FUGITIVE UNIT DOES NOT CONTAIN EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE	

F-68-4TA	40 CFR Part 63, Subpart CC	63CCVV-ALL	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = YES EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO FLARE EQUIVALENT EMISSION LIMITATION = NO VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p>	
F-6-B	40 CFR Part 63, Subpart CC	63CCVV-ALL	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = YES EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO FLARE EQUIVALENT EMISSION LIMITATION = NO VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES</p>	
F-7	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	<p>Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.</p>	<p>Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.</p>

F-7	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
F-7	40 CFR Part 60, Subpart VV	60VV-1	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	
F-7	40 CFR Part 61, Subpart V	61V-1	Vacuum Service = The fugitive unit does not contain components in vacuum service. VHAP Service = The fugitive unit contains no components in VHAP service.	
F-7	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
F-81	40 CFR Part 63, Subpart CC	63CCVV-ALL	CLOSED VENT (OR VAPOR COLLECTION) SYSTEMS = YES ENCLOSED COMBUSTION DEVICE = YES EXISTING SOURCE = YES FLARE = YES VAPOR RECOVERY SYSTEM = YES CLOSED VENT (OR VAPOR COLLETION) SYSTEMS EQUIVALENT EMISSION LIMITATION = NO COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES ENCLOSED COMBUSTION DEVICE EQUIVALENT EMISSION LIMITATION = NO FLARE EQUIVALENT EMISSION LIMITATION = NO VAPOR RECOVERY SYSTEM EQUIVALENT EMISSION LIMITATION = NO CLOSED VENT (OR VAPOR COLLETION) SYSTEMS COMPLYING WITH § 60.482-10 = YES ENCLOSED COMBUSTION DEVICE COMPLYING WITH § 60.482-10 = YES FLARE COMPLYING WITH §60.482-10 = YES VAPOR RECOVERY SYSTEM COMPLYING WITH § 60.482-10 = YES	
FGR-FUG	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
FGR-FUG	40 CFR Part 60, Subpart VV	60VV-1	Produces Chemicals = The fugitive unit is not part of a facility that produces as an intermediate or final product one or more of the chemicals listed in 40 CFR § 60.489.	

FGR-FUG	40 CFR Part 61, Subpart V	61V-1	Vacuum Service = The fugitive unit does not contain components in vacuum service. VHAP Service = The fugitive unit contains no components in VHAP service.	
FGR-FUG	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	
GRP-CCHFUG	40 CFR Part 63, Subpart CC	63CCH-ALL	ENCLOSED COMBUSTION DEVICES = YES EXISTING SOURCE = YES ANY (CLOSED-VENT SYSTEMS) = YES COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES FLARES = YES RECOVERY OR RECAPTURE DEVICES (CLOSED VENT SYSTEMS) = YES CLOSED VENT SYSTEM, BYPASS LINES = YES CLOSED VENT SYSTEM, UNSAFE TO INSPECT = YES CLOSED VENT SYSTEM, DIFFICULT TO INSPECT = YES	
GRP-CCVVFUG	40 CFR Part 63, Subpart CC	63CCVV-ALL	SOP Index No. = OWNER/OPERATOR ASSUMES VOC/VHAP FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS SUBJECT TO MACT CC AND COMPLYING WITH NSPS VV REQUIREMENTS WITH NO ALTERNATE CONTROL OR CONTROL DEVICES EXISTING SOURCE = YES COMPLYING WITH TITLE 40 CFR 60 SUBPART VV = YES	
SKIDBLRFUG	40 CFR Part 60, Subpart GGGa	60GGGa-ALL	Construction/Modification Date = Affected facility was constructed, reconstructed or modified after November 7, 2006. Equipment Components = Components are present.	Since rules reference tables have not yet been developed for 40CFR Part 60, Subpart GGGa, the permit reviewer manually developed requirements based on applicant provided attributes.
SKIDBLRFUG	40 CFR Part 63, Subpart CC	63CC	EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE.	Due to 40 CFR Part 63, Subpart CC overlap, equipment leaks that are also subject to the provisions of 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa, per §63.640(p)(2).
SKIDBLRFUG	40 CFR Part 61, Subpart V	61V-1	Vacuum Service = The fugitive unit does not contain components in vacuum service. VHAP Service = The fugitive unit contains no components in VHAP service.	
SKIDBLRFUG	40 CFR Part 63, Subpart I	63I-1	PROCESS TYPE = NO	

1025	40 CFR Part 61, Subpart FF	61FF	<p>Alternate Means of Compliance = NO</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Control Device Type/Operation = FLARE</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p>	
25V1	30 TAC Chapter 111, Visible Emissions	R1111-B	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p>	
25V1	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The miscellaneous process vent is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The miscellaneous process vent is subject to 40 CFR Part 63, Subpart CC.</p> <p>Group 1 = The miscellaneous process vent is a Group 2 vent.</p> <p>Engineering Assessment = Engineering assessment is used to determine the total organic compound emission rate for the representative operating condition expected to yield the highest daily emission rate.</p>	
29P1	30 TAC Chapter 111, Visible Emissions	R1111-1	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = A continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C).</p> <p>Total Feed Capacity = Total feed capacity is greater than 20,000 barrels per day.</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>	
40P1	30 TAC Chapter 111, Visible Emissions	R1111-1	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = A continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C).</p> <p>Total Feed Capacity = Total feed capacity is greater than 20,000 barrels per day.</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>	

45V1	40 CFR Part 63, Subpart G	63G	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Thermal incinerator.</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is not halogenated.</p> <p>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.</p> <p>Performance Test = No previous performance test was conducted.</p>	
45V2	40 CFR Part 63, Subpart G	63G	<p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Control Device = Thermal incinerator.</p> <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>Halogenated = Vent stream is not halogenated.</p> <p>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.</p> <p>Performance Test = No previous performance test was conducted.</p>	
66FLH1	40 CFR Part 63, Subpart CC	63CC-FLARE	<p>98% Reduction = Compliance with the 98% by reduction requirements specified in § 63.116(c)(1)(i) are chosen.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The miscellaneous process vent is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Divert Vent Stream = The miscellaneous process vent utilizes a vent system that contains no by-pass lines.</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The miscellaneous process vent is subject to 40 CFR Part 63, Subpart CC.</p> <p>Group 1 = The miscellaneous process vent is a Group 1 vent.</p> <p>Automated Data Compression Recording System = OWNER/OPERATOR DOES NOT USE AN AUTOMATED DATA COMPRESSION SYSTEM THAT RECORDS ALL VALUES THAT MEET SET CRITERIA FOR VARIATION FROM PREVIOUSLY RECORDED VALUES.</p> <p>Continuous Operating Parameter Provisions = The owner or operator does not use an alternative to the continuous operating parameter monitoring and recordkeeping provisions of 40 CFR § 63.654(i).</p> <p>Control Device = Flare</p> <p>Performance Test = A performance test was conducted to determine compliance with a regulation promulgated by EPA and was conducted using the same methods specified in Subpart G and no process changes have been made or results reliably demonstrate compliance.</p> <p>Additional Parameter Monitoring = Parameters specified in 40 CFR § 63.644(a) are being monitored.</p>	

66FLH12	40 CFR Part 63, Subpart CC	63CC-FLARE	<p>98% Reduction = Compliance with the 98% by reduction requirements specified in § 63.116(c)(1)(i) are chosen.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The miscellaneous process vent is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Divert Vent Stream = The miscellaneous process vent utilizes a vent system that contains no by-pass lines.</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The miscellaneous process vent is subject to 40 CFR Part 63, Subpart CC.</p> <p>Group 1 = The miscellaneous process vent is a Group 1 vent.</p> <p>Automated Data Compression Recording System = OWNER/OPERATOR DOES NOT USE AN AUTOMATED DATA COMPRESSION SYSTEM THAT RECORDS ALL VALUES THAT MEET SET CRITERIA FOR VARIATION FROM PREVIOUSLY RECORDED VALUES.</p> <p>Continuous Operating Parameter Provisions = The owner or operator does not use an alternative to the continuous operating parameter monitoring and recordkeeping provisions of 40 CFR § 63.654(i).</p> <p>Control Device = Flare</p> <p>Performance Test = A performance test was conducted to determine compliance with a regulation promulgated by EPA and was conducted using the same methods specified in Subpart G and no process changes have been made or results reliably demonstrate compliance.</p> <p>Additional Parameter Monitoring = Parameters specified in 40 CFR § 63.644(a) are being monitored.</p>	
66FLH2	40 CFR Part 63, Subpart CC	63CC-FLARE	<p>98% Reduction = Compliance with the 98% by reduction requirements specified in § 63.116(c)(1)(i) are chosen.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The miscellaneous process vent is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Divert Vent Stream = The miscellaneous process vent utilizes a vent system that contains no by-pass lines.</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The miscellaneous process vent is subject to 40 CFR Part 63, Subpart CC.</p> <p>Group 1 = The miscellaneous process vent is a Group 1 vent.</p> <p>Automated Data Compression Recording System = OWNER/OPERATOR DOES NOT USE AN AUTOMATED DATA COMPRESSION SYSTEM THAT RECORDS ALL VALUES THAT MEET SET CRITERIA FOR VARIATION FROM PREVIOUSLY RECORDED VALUES.</p> <p>Continuous Operating Parameter Provisions = The owner or operator does not use an alternative to the continuous operating parameter monitoring and recordkeeping provisions of 40 CFR § 63.654(i).</p> <p>Control Device = Flare</p> <p>Performance Test = A performance test was conducted to determine compliance with a regulation promulgated by EPA and was conducted using the same methods specified in Subpart G and no process changes have been made or results reliably demonstrate compliance.</p> <p>Additional Parameter Monitoring = Parameters specified in 40 CFR § 63.644(a) are being monitored.</p>	

66FLH3	40 CFR Part 63, Subpart CC	63CC-FLARE	<p>98% Reduction = Compliance with the 98% by reduction requirements specified in § 63.116(c)(1)(i) are chosen.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The miscellaneous process vent is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Divert Vent Stream = The miscellaneous process vent utilizes a vent system that contains no by-pass lines.</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The miscellaneous process vent is subject to 40 CFR Part 63, Subpart CC.</p> <p>Group 1 = The miscellaneous process vent is a Group 1 vent.</p> <p>Automated Data Compression Recording System = OWNER/OPERATOR DOES NOT USE AN AUTOMATED DATA COMPRESSION SYSTEM THAT RECORDS ALL VALUES THAT MEET SET CRITERIA FOR VARIATION FROM PREVIOUSLY RECORDED VALUES.</p> <p>Continuous Operating Parameter Provisions = The owner or operator does not use an alternative to the continuous operating parameter monitoring and recordkeeping provisions of 40 CFR § 63.654(i).</p> <p>Control Device = Flare</p> <p>Performance Test = A performance test was conducted to determine compliance with a regulation promulgated by EPA and was conducted using the same methods specified in Subpart G and no process changes have been made or results reliably demonstrate compliance.</p> <p>Additional Parameter Monitoring = Parameters specified in 40 CFR § 63.644(a) are being monitored.</p>	
85B2	30 TAC Chapter 111, Visible Emissions	111-FVent	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = A continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C).</p> <p>Total Feed Capacity = Total feed capacity is greater than 20,000 barrels per day.</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>	
98H1	30 TAC Chapter 111, Visible Emissions	R1111-1	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>	

GRP-V100	30 TAC Chapter 111, Visible Emissions	111-LVent	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>	
MEROX	40 CFR Part 63, Subpart CC	63CC-FLARE	<p>98% Reduction = Compliance with the 98% by reduction requirements specified in § 63.116(c)(1)(i) are chosen.</p> <p>Specified in 40 CFR § 63.640(g)(1)-(6) = The miscellaneous process vent is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Divert Vent Stream = The miscellaneous process vent utilizes a vent system that contains no by-pass lines.</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The miscellaneous process vent is subject to 40 CFR Part 63, Subpart CC.</p> <p>Group 1 = The miscellaneous process vent is a Group 1 vent.</p> <p>Automated Data Compression Recording System = OWNER/OPERATOR DOES NOT USE AN AUTOMATED DATA COMPRESSION SYSTEM THAT RECORDS ALL VALUES THAT MEET SET CRITERIA FOR VARIATION FROM PREVIOUSLY RECORDED VALUES.</p> <p>Continuous Operating Parameter Provisions = The owner or operator does not use an alternative to the continuous operating parameter monitoring and recordkeeping provisions of 40 CFR § 63.654(i).</p> <p>Control Device = Flare</p> <p>Performance Test = A performance test was conducted to determine compliance with a regulation promulgated by EPA and was conducted using the same methods specified in Subpart G and no process changes have been made or results reliably demonstrate compliance.</p> <p>Additional Parameter Monitoring = Parameters specified in 40 CFR § 63.644(a) are being monitored.</p>	
VG08	40 CFR Part 63, Subpart CC	63CC	<p>Specified in 40 CFR § 63.640(g)(1)-(6) = The miscellaneous process vent is not part of a process specified in 40 CFR § 63.640(g)(1) - (6).</p> <p>Subject to 40 CFR Part 63, Subparts F, G, H or I = The miscellaneous process vent is subject to 40 CFR Part 63, Subpart CC.</p> <p>Group 1 = The miscellaneous process vent is a Group 2 vent.</p> <p>Engineering Assessment = Engineering assessment is used to determine the total organic compound emission rate for the representative operating condition expected to yield the highest daily emission rate.</p>	

29P1	40 CFR Part 60, Subpart J	60J-FLUID	<p>Facility Type = FCCU catalyst regenerator located at a petroleum refinery.</p> <p>Construction/Modification Date = After January 17, 1984 and on or before May 14, 2007.</p> <p>Contact Material = The FCCU catalyst regenerator does not have contact material that reacts with petroleum derivatives to improve feedstock quality in which the contact material is regenerated by burning off coke and/or other deposits.</p> <p>Sulfur Content = Measuring the total sulfur content in the FCCU fresh feed.</p> <p>Discharged Gases = Gases discharged by the FCCU catalyst regenerator do not pass through an incinerator or waste heat boiler in which auxiliary or supplemental liquid or solid fossil fuel is burned.</p> <p>CO Monitoring = It has not been demonstrated to the Administrator that the average CO emissions are less than 50 ppm (dry basis).</p>	
29P1	40 CFR Part 63, Subpart UUU	63UUU-1	<p>CCU CO Emission Limitation = CCU subject to the NSPS for CO in 40 CFR § 60.103 or electing to comply with the NSPS requirements (Option 1).</p> <p>CCU PM/Opacity Emission Limitation = CCU subject to the NSPS for PM in 40 CFR §60.102 - PM emissions not to exceed 1.0 kg/1,000 kg of coke burn-off in the catalyst regenerator and opacity of emissions not to exceed 30%, except for one 6-minute avg. opacity reading in any 1-hour period.</p> <p>CCU PM Control Device = Electrostatic Precipitator serving CCU over 20,000 barrels/day fresh feed capacity.</p> <p>CCU CO Monitoring Method = Continuous Emissions Monitoring System for measuring CO concentration.</p> <p>CCU PM Monitoring Method = Continuous Opacity Monitoring System.</p> <p>CCU Bypass Line = No bypass line serving the catalytic cracking unit.</p> <p>Alternate Method for Measuring Gas Flow Rate = Using an alternate method for measuring gas flow rate as listed in §63.1573(a)(1).</p>	
34I1	40 CFR Part 60, Subpart J	60J-SRU	<p>Facility Type = Claus sulfur recovery plant with a design capacity for sulfur feed greater than 20 LTPD with reduction control systems followed by incineration.</p> <p>Construction/Modification Date = After October 4, 1976 and on or before May 14, 2007.</p>	
34I1	40 CFR Part 63, Subpart UUU	63UUU-2	<p>SRU Emission Limitation = Claus SRU part of sulfur recovery plant greater than or equal to 20 long tons/day using oxidation or reduction system followed by incineration subject to 250 ppmv SO₂ emission limit in §60.104(a)(2).</p> <p>SRU Bypass Line = No bypass line serving the SRU.</p>	
40P1	40 CFR Part 60, Subpart J	60J-FLUID	<p>Facility Type = FCCU catalyst regenerator located at a petroleum refinery.</p> <p>Construction/Modification Date = After January 17, 1984 and on or before May 14, 2007.</p> <p>Contact Material = The FCCU catalyst regenerator does not have contact material that reacts with petroleum derivatives to improve feedstock quality in which the contact material is regenerated by burning off coke and/or other deposits.</p> <p>Sulfur Content = Measuring the total sulfur content in the FCCU fresh feed.</p> <p>Discharged Gases = Gases discharged by the FCCU catalyst regenerator do not pass through an incinerator or waste heat boiler in which auxiliary or supplemental liquid or solid fossil fuel is burned.</p> <p>CO Monitoring = It has not been demonstrated to the Administrator that the average CO emissions are less than 50 ppm (dry basis).</p>	

40P1	40 CFR Part 63, Subpart UUU	63UUU-1	<p>CCU CO Emission Limitation = CCU subject to the NSPS for CO in 40 CFR § 60.103 or electing to comply with the NSPS requirements (Option 1).</p> <p>CCU PM/Opacity Emission Limitation = CCU subject to the NSPS for PM in 40 CFR §60.102 - PM emissions not to exceed 1.0 kg/1,000 kg of coke burn-off in the catalyst regenerator and opacity of emissions not to exceed 30%, except for one 6-minute avg. opacity reading in any 1-hour period.</p> <p>CCU PM Control Device = Electrostatic Precipitator serving CCU over 20,000 barrels/day fresh feed capacity.</p> <p>CCU CO Monitoring Method = Continuous Emissions Monitoring System for measuring CO concentration.</p> <p>CCU PM Monitoring Method = Continuous Opacity Monitoring System.</p> <p>CCU Bypass Line = No bypass line serving the catalytic cracking unit.</p> <p>Alternate Method for Measuring Gas Flow Rate = Using an alternate method for measuring gas flow rate as listed in §63.1573(a)(1).</p>	
43I1	40 CFR Part 60, Subpart J	60J-SRU	<p>Facility Type = Claus sulfur recovery plant with a design capacity for sulfur feed greater than 20 LTPD with reduction control systems followed by incineration.</p> <p>Construction/Modification Date = After October 4, 1976 and on or before May 14, 2007.</p>	
43I1	40 CFR Part 63, Subpart UUU	63UUU-2	<p>SRU Emission Limitation = Claus SRU part of sulfur recovery plant greater than or equal to 20 long tons/day using oxidation or reduction system followed by incineration subject to 250 ppmv SO₂ emission limit in §60.104(a)(2).</p> <p>SRU Bypass Line = No bypass line serving the SRU.</p>	
66FL1	40 CFR Part 60, Subpart J	60J-FUEL	<p>Facility Type = Flare that is used for fuel gas combustion located at a petroleum refinery, that does NOT meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before June 24, 2008.</p> <p>Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO₂ emissions into the atmosphere.</p>	
66FL12	40 CFR Part 60, Subpart J	60J-FUEL	<p>Facility Type = Flare that is used for fuel gas combustion located at a petroleum refinery, that does NOT meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before June 24, 2008.</p> <p>Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO₂ emissions into the atmosphere.</p>	
66FL13	40 CFR Part 60, Subpart J	60J-FUEL	<p>Facility Type = Flare that is used for fuel gas combustion located at a petroleum refinery, that does NOT meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before June 24, 2008.</p> <p>Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO₂ emissions into the atmosphere.</p>	
66FL2	40 CFR Part 60, Subpart J	60J-FUEL	<p>Facility Type = Flare that is used for fuel gas combustion located at a petroleum refinery, that does NOT meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before June 24, 2008.</p> <p>Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO₂ emissions into the atmosphere.</p>	

66FL3	40 CFR Part 60, Subpart J	60J-FUEL	<p>Facility Type = Flare that is used for fuel gas combustion located at a petroleum refinery, that does NOT meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before June 24, 2008.</p> <p>Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO₂ emissions into the atmosphere.</p>	
BLR12	40 CFR Part 60, Subpart Ja	60Ja-FUEL	<p>Facility Type = Fuel gas combustion device, other than a flare or process heater, that does NOT meet requirements in § 60.107a(a)(3)(i)-(iv).</p> <p>Construction/Modification Date = After June 24, 2008</p> <p>Sulfur Emission Limit = Owner or operator is choosing SO₂ limit in terms of ppmv H₂S in fuel gas.</p>	
GRP-RFUEL	40 CFR Part 60, Subpart J	60J-FUEL	<p>Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b).</p> <p>Construction/Modification Date = After June 11, 1973 and on or before May 14, 2007.</p> <p>Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO₂ emissions into the atmosphere.</p>	
SKIDBLR	40 CFR Part 60, Subpart Ja	60Ja-FUEL	<p>Facility Type = Fuel gas combustion device, other than a flare or process heater, that meets requirements in § 60.107a(a)(3)(i)-(iv) [inherently low in sulfur content].</p> <p>Construction/Modification Date = After June 24, 2008</p> <p>Sulfur Emission Limit = Owner or operator is choosing SO₂ limit in terms of ppmv H₂S in fuel gas.</p>	

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

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

NSR Versus Title V FOP

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

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

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

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. The permit contains two attachments that list NSR Authorizations for the permitted area. These authorizations include major and minor new source review permits, standard permits and permits by rule. The "New Source Review Authorization References" attachment lists all NSR Authorizations for the permitted area, and the "New

Source Review Authorization References by Emission Unit” attachment lists emission units in the permitted area and NSR authorizations for each. To address an objection to this permit granted by the EPA Administrator by order dated September 24, 2015, The attached tables have been revised to provide additional information on the PBRs claimed at this site. These NSR permits and registrations can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

The status of air permits and applications and a link to the Air Permits Remote Document Server is located at the following Web site:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Permits by Rule

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

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

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

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

Texas Commission on Environmental Quality (TCEQ) regulates facilities that release air contaminants, even in small amounts, under its air permit rules. Facilities with emissions that do not meet de minimis criteria but will not make a significant contribution of air contaminants to the atmosphere may be permitted by rule. Facilities authorized by PBR must be constructed and operated with certain restrictions.

A PBR may be claimed when both the following conditions are met: 1. The facility meets all applicable requirements of 30 TAC § 106.4. These requirements limit the amount of annual emissions to less than federal permit major source levels, and require compliance with all state and federal regulations; and 2. The facility meets all applicable conditions of one or more individual PBRs contained in 30 TAC Chapter 106. These requirements may specify design requirements for certain facilities, production or material use limits, and operational restrictions.

Certain PBRs require registration with TCEQ as stated in the specific PBR. Other PBRs are not required to be registered with TCEQ. In either case, the permit holder must maintain sufficient records to demonstrate compliance with the annual emissions limits specified in 30 TAC § 106 and maintain sufficient records to demonstrate compliance with the emission limits and specific conditions of the PBR.

Permit holders may also certify emissions in a PBR registration to establish federally enforceable emission limits below the emission limits of 30 TAC § 106.4 which establishes limits for production and planned MSS for each facility (piece of equipment) to 250 tons per year (tpy) Nitrogen Oxides (NOx) and Carbon Monoxide (CO); 25 tpy Volatile Organic Compounds (VOC), Particulate Matter (PM), Sulfur Dioxide (SO₂), and any other contaminant (except water, nitrogen, ethane, hydrogen, oxygen, and greenhouse gases); 15 tpy of particulate matter with diameters of 10 microns or less (PM₁₀); or 10 tpy of particulate matter with diameters of 2.5 microns or less (PM_{2.5}).

PBR registrations may be certified to demonstrate that emission allowables for each facility claimed under the PBR are less than the netting or major source trigger levels under the PSD and NNSR programs. Certifications are also required for sites subject to NOx cap and trade programs under 30 TAC Chapter 101 and for ensuring that any PBR claims do not exceed permitted flexible caps for facilities permitted under 30 TAC Chapter 116, Subchapter G.

For PBRs that are registered with TCEQ, copies of the registration letters may be viewed through the Remote Document Server (RDS) at <https://webmail.tceq.state.tx.us/gw/webpub>. PBR registrations that are certified will have the specific maximum permitted allowables for each facility attached to the registration letter.

Incorporation of PBRs in NSR Permits

TCEQ's Policy and Guidance Memo dated September 26, 2006

http://www.tceq.texas.gov/assets/public/permitting/air/memos/pbr_spc06.pdf defines the two different scenarios that will determine when and how a PBR or SP should be consolidated in the NSR permit for that facility when the NSR permit is amended or renewed: consolidation by reference and consolidation by incorporation.

Standard Permits and PBRs that directly affect the emissions of permitted facilities must, at a minimum, be consolidated by reference when the NSR permit is amended. If Standard Permits and PBRs occur at the NSR permitted site, but do not directly affect NSR permitted facilities, it is not required, but at the request of the NSR permit holder they may be consolidated by reference. Referencing will not require a best available control technology (BACT) review but may require an impacts review based on commission guidance.

Consolidation of all other PBRs and SPs by incorporation (rolled in) is voluntary. If the NSR permit holder requests incorporation (that is, reauthorization under the NSR permit), PBRs and SPs may be incorporated but will undergo BACT and impacts review based on commission guidance. When incorporated into the NSR permit, the original authorization becomes void. The incorporation of PBRs and SPs requires an amendment, but no additional forms or fees are required if a complete renewal package with the above information is submitted.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: GHGPSDTX130	Issuance Date: 09/04/2015
PSD Permit No.: PSDTX102M7	Issuance Date: 09/24/2014
PSD Permit No.: PSDTX1158M1	Issuance Date: 09/04/2015
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.: 100477	Issuance Date: 01/12/2012
Authorization No.: 104928	Issuance Date: 09/24/2014
Authorization No.: 14441A	Issuance Date: 05/30/2012
Authorization No.: 43073	Issuance Date: 11/17/2009
Authorization No.: 80799	Issuance Date: 10/09/2014
Authorization No.: 82659	Issuance Date: 08/30/2007
Authorization No.: 85872	Issuance Date: 09/04/2015
Authorization No.: 87458	Issuance Date: 03/02/2009
Authorization No.: 90208	Issuance Date: 08/05/2010
Authorization No.: 9868A	Issuance Date: 09/24/2014
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003

Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 106.533	Version No./Date: 07/04/2004

Emission Units and Emission Points

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

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

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

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Compliance Assurance Monitoring (CAM):

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

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

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

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

Unit/Group/Process Information	
ID No.: 29P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM	Main Standard: § 60.102(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
Basis of CAM: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

Unit/Group/Process Information	
ID No.: 29P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM (OPACITY)	Main Standard: § 60.102(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>Basis of CAM: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: 34I1	
Control Device ID No.: 34I1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-SRU
Pollutant: SO ₂	Main Standard: § 60.104(a)(2)(i)
Monitoring Information	
Indicator: SO ₂ concentration	
Minimum Frequency: 4 times/hour	
Averaging Period: 12 hours	
Deviation Limit: >250 ppmv SO ₂ at 0% excess air	
Basis of CAM: It is widely practiced and accepted to calibrate and use a portable analyzer or CEMS to measure SO ₂ concentration with procedures such as EPA Test Method 6C. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard.	

Unit/Group/Process Information	
ID No.: 40P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM	Main Standard: § 60.102(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>Basis of CAM: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: 40P1	
Control Device ID No.: N/A	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-FLUID
Pollutant: PM (OPACITY)	Main Standard: § 60.102(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: 6 times/minute	
Averaging Period: Six minutes	
Deviation Limit: >30% opacity	
<p>Basis of CAM: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: 43I1	
Control Device ID No.: 43I1	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-SRU
Pollutant: SO ₂	Main Standard: § 60.104(a)(2)(i)
Monitoring Information	
Indicator: SO ₂ concentration	
Minimum Frequency: 4 times/hour	
Averaging Period: 12 hours	
Deviation Limit: >250 ppmv SO ₂ at 0% excess air	
Basis of CAM: It is widely practiced and accepted to calibrate and use a portable analyzer or CEMS to measure SO ₂ concentration with procedures such as EPA Test Method 6C. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard.	

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: 25V1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-B
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Once per quarter	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 20%	
<p>Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: 98H1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 15%	
<p>Basis of monitoring: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Unit/Group/Process Information	
ID No.: GRP-V100	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-LVent
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 15% opacity.	
<p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on 07/02/2015.
2. The compliance history review evaluated the period from 09/01/2009 to 07/02/2015.
Site rating: 30.30 (satisfactory) Company rating: 12.76 (satisfactory)
(*High < 0.10; Satisfactory > 0.10 and < 55; Unsatisfactory > 55*)
3. Has the permit changed on the basis of the compliance history or site/company rating?No

Permit reviewer notes: n/a

Site/Permit Area Compliance Status Review

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

Permit reviewer notes: n/a

Available Unit Attribute Forms

- OP-UA1 - Miscellaneous and Generic Unit Attributes
- OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
- OP-UA3 - Storage Tank/Vessel Attributes
- OP-UA4 - Loading/Unloading Operations Attributes
- OP-UA5 - Process Heater/Furnace Attributes
- OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
- OP-UA7 - Flare Attributes
- OP-UA8 - Coal Preparation Plant Attributes
- OP-UA9 - Nonmetallic Mineral Process Plant Attributes
- OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
- OP-UA11 - Stationary Turbine Attributes
- OP-UA12 - Fugitive Emission Unit Attributes
- OP-UA13 - Industrial Process Cooling Tower Attributes
- OP-UA14 - Water Separator Attributes
- OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
- OP-UA16 - Solvent Degreasing Machine Attributes
- OP-UA17 - Distillation Unit Attributes
- OP-UA18 - Surface Coating Operations Attributes
- OP-UA19 - Wastewater Unit Attributes
- OP-UA20 - Asphalt Operations Attributes
- OP-UA21 - Grain Elevator Attributes
- OP-UA22 - Printing Attributes
- OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
- OP-UA25 - Synthetic Fiber Production Attributes
- OP-UA26 - Electroplating and Anodizing Unit Attributes
- OP-UA27 - Nitric Acid Manufacturing Attributes
- OP-UA28 - Polymer Manufacturing Attributes
- OP-UA29 - Glass Manufacturing Unit Attributes
- OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
- OP-UA31 - Lead Smelting Attributes
- OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
- OP-UA33 - Metallic Mineral Processing Plant Attributes
- OP-UA34 - Pharmaceutical Manufacturing
- OP-UA35 - Incinerator Attributes
- OP-UA36 - Steel Plant Unit Attributes
- OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
- OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
- OP-UA39 - Sterilization Source Attributes
- OP-UA40 - Ferroalloy Production Facility Attributes

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