FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
NuStar Logistics, L.P.

AUTHORIZING THE OPERATION OF
Corpus Christi Terminal
Petroleum Bulk Stations and Terminals

LOCATED AT
Nueces County, Texas
Latitude 27° 49′ 5″ Longitude 97° 24′ 48″
Regulated Entity Number: RN102317658

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: O1238 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 Y or BBBBBB as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113,

Subchapter C, § 113.300 or § 113.1370, respectively, 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 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. 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)

C. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(ii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(iii) 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. 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.

6. For the operations pertaining to the loading and unloading of marine tank vessels specified in 40 CFR Part 63, Subpart Y, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.300 incorporated by reference):

   A. Title 40 CFR § 63.560(c) (relating to Designation of Affected Source), for applicability of the General Provisions of Subpart A

   B. Title 40 CFR § 63.563(a)(4) (relating to Compliance and Performance Testing), for vapor tightness requirements of the marine vessels

   C. Title 40 CFR § 63.564(a)(1) and (d) (relating to Monitoring Requirements)

   D. Title 40 CFR § 63.565(a) (relating to Test Methods and Procedures), for performance testing requirements

   E. Title 40 CFR § 63.565(c) (relating to Test Methods and Procedures), for vapor tightness requirements of the marine vessels

   F. Title 40 CFR § 63.566 (relating to Construction and Reconstruction)

   G. Title 40 CFR § 63.567(a) - (b) and (h) - (i) (relating to Reporting and Recordkeeping Requirements)

7. For each pipeline breakout station specified in 40 CFR Part 63, Subpart BBBBBB, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1370 incorporated by reference):

   A. Title 40 CFR § 63.11085(a), for operation and maintenance of the affected source

   B. Title 40 CFR § 63.11089(a), for leak inspections at the facility

   C. Title 40 CFR § 63.11089(b) and (c), for log book maintenance and recordkeeping

   D. Title 40 CFR § 63.11089(d), for delay of repair

   E. Title 40 CFR § 63.11093(a), for Initial Notification

   F. Title 40 CFR § 63.11093(b), for Notification of Compliance Status

   G. Title 40 CFR § 63.11094(d), for recordkeeping

   H. Title 40 CFR § 63.11094(e), for recordkeeping

   I. Title 40 CFR § 63.11094(g), for recordkeeping

   J. Title 40 CFR § 63.11095(a), (a)(3), (b), (b)(5) and (d), for reporting

8. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be

maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

9. 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 or minimum frequency 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

10. 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 (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated November 20, 2024 in the application for project 36448), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

11. 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.

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

noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

13. 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.

14. 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)

Permit Location

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

Permit Shield (30 TAC § 122.148)

16. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be

modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

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
B-1	LOADING/UNLOADING OPERATIONS	N/A	63Y-DOCK2L	40 CFR Part 63, Subpart Y	No changing attributes.
B-15	LOADING/UNLOADING OPERATIONS	N/A	63Y	40 CFR Part 63, Subpart Y	No changing attributes.
B-16	LOADING/UNLOADING OPERATIONS	N/A	63Y-DOCK16	40 CFR Part 63, Subpart Y	No changing attributes.
B-2	LOADING/UNLOADING OPERATIONS	N/A	63Y-DOCK2L	40 CFR Part 63, Subpart Y	No changing attributes.
GRP-CRUDE	STORAGE TANKS/VESSELS	S-400M1, S-400M2, S-400M3, S-400M4	12	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-CRUDE	STORAGE TANKS/VESSELS	S-400M1, S-400M2, S-400M3, S-400M4	5	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRP-CRUDE	STORAGE TANKS/VESSELS	S-400M1, S-400M2, S-400M3, S-400M4	6	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRP-CRUDE2	STORAGE TANKS/VESSELS	S-200M1, S-200M2, S-200M3, S-200M7, S-200M8, S-200M9	R5111-17	30 TAC Chapter 115, Storage of VOCs	True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRP-CRUDE2	STORAGE TANKS/VESSELS	S-200M1, S-200M2, S-200M3, S-200M7, S-200M8, S-200M9	R5112-18	30 TAC Chapter 115, Storage of VOCs	True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia
GRP-CRUDE2	STORAGE TANKS/VESSELS	S-200M1, S-200M2, S-200M3, S-200M7,	60Kb-13	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia,

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		S-200M8, S-200M9			Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRP-CRUDE2	STORAGE TANKS/VESSELS	S-200M1, S-200M2, S-200M3, S-200M7, S-200M8, S-200M9	60Kb-14	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRP-CRUDE2	STORAGE TANKS/VESSELS	S-200M1, S-200M2, S-200M3, S-200M7, S-200M8, S-200M9	60Kb-15	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRP-CRUDE2	STORAGE TANKS/VESSELS	S-200M1, S-200M2, S-200M3, S-200M7, S-200M8, S-200M9	60Kb-16	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRP-CRUDE3	STORAGE TANKS/VESSELS	S-200M4, S-200M5, S-200M6	R5112-21	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-CRUDE3	STORAGE TANKS/VESSELS	S-200M4, S-200M5, S-200M6	60Kb-20	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRP-CRUDE3	STORAGE TANKS/VESSELS	S-200M4, S-200M5, S-200M6	60Kb-21	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRP-CRUDE3	STORAGE TANKS/VESSELS	S-200M4, S-200M5, S-200M6	60Kb-22	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRP-CRUDE3	STORAGE TANKS/VESSELS	S-200M4, S-200M5, S-200M6	60Kb-23	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRP-TANKS	STORAGE TANKS/VESSELS	S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, S-100M9	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TANKS	STORAGE TANKS/VESSELS	S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, S-100M9	60Kb	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRP-TANKS	STORAGE TANKS/VESSELS	S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, S-100M9	60Kb-17	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					less than 0.75 psia
GRP-TANKS	STORAGE TANKS/VESSELS	S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, S-100M9	60Kb-18	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRP-TANKS	STORAGE TANKS/VESSELS	S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, S-100M9	60Kb-19	40 CFR Part 60, Subpart Kb	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
S-201	STORAGE TANKS/VESSELS	N/A	3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
S-201	STORAGE TANKS/VESSELS	N/A	63BBBBBB-1	40 CFR Part 63, Subpart BBBBBB	No changing attributes.
S-202	STORAGE TANKS/VESSELS	N/A	3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
S-202	STORAGE TANKS/VESSELS	N/A	63BBBBBB-1	40 CFR Part 63, Subpart BBBBBB	No changing attributes.
S-203	STORAGE TANKS/VESSELS	N/A	3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
S-203	STORAGE TANKS/VESSELS	N/A	63BBBBBB-1	40 CFR Part 63, Subpart BBBBBB	No changing attributes.
S-204	STORAGE TANKS/VESSELS	N/A	3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
S-204	STORAGE TANKS/VESSELS	N/A	63BBBBBB-1	40 CFR Part 63, Subpart BBBBBB	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
S-205	STORAGE TANKS/VESSELS	N/A	3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
S-205	STORAGE TANKS/VESSELS	N/A	63BBBBBB-1	40 CFR Part 63, Subpart BBBBBB	No changing attributes.
S-206	STORAGE TANKS/VESSELS	N/A	3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
S-206	STORAGE TANKS/VESSELS	N/A	63BBBBBB-1	40 CFR Part 63, Subpart BBBBBB	No changing attributes.
S-207	STORAGE TANKS/VESSELS	N/A	3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
S-207	STORAGE TANKS/VESSELS	N/A	3	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
S-207	STORAGE TANKS/VESSELS	N/A	60Kb-2	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
S-207	STORAGE TANKS/VESSELS	N/A	60Kb-3	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
S-207	STORAGE TANKS/VESSELS	N/A	60Kb-4	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					less than 0.75 psia
S-207	STORAGE TANKS/VESSELS	N/A	63BBBBBB-1	40 CFR Part 63, Subpart BBBBBB	No changing attributes.
TRUCKUNLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211-LAND	30 TAC Chapter 115, Loading and Unloading of VOC	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)
B-1	EU	63Y-DOCK2L	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
B-15	EU	63Y	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B-16	EU	63Y-DOCK16	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
B-2	EU	63Y-DOCK2L	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-CRUDE	EU	12	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
GRP-CRUDE	EU	5	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
GRP-CRUDE	EU	6	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) § 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-CRUDE2	EU	R5111-17	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(b)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(b)(1) § 115.118(b)(4) § 115.118(b)(5)	None
GRP-CRUDE2	EU	R5112-18	VOC	30 TAC Chapter 115, Storage of	§ 115.112(b)(1) § 115.112(b)(2)	Tanks shall not store VOC unless the required	§ 115.114(b)(2) § 115.114(b)(3)	§ 115.118(b)(2) § 115.118(b)(4)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				VOCs	§ 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(5)	
GRP-CRUDE2	EU	60Kb-13	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
GRP-CRUDE2	EU	60Kb-14	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRP-CRUDE2	EU	60Kb-15	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)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 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)
							§ 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)		
GRP-CRUDE2	EU	60Kb-16	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) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 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-CRUDE3	EU	R5112-21	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	specified in Table I(a) or Table II(a).			
GRP-CRUDE3	EU	60Kb-20	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
GRP-CRUDE3	EU	60Kb-21	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRP-CRUDE3	EU	60Kb-22	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)(2) § 60.116b(e)(2)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
GRP-CRUDE3	EU	60Kb-23	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)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a)	§ 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)
					§ 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)	specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)		
GRP-TANKS	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
GRP-TANKS	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
GRP-TANKS	EU	60Kb-17	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRP-TANKS	EU	60Kb-18	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)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a)	§ 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)
					§ 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)	specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(e)(2)(ii)	
GRP-TANKS	EU	60Kb-19	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) § 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)
S-201	EU	3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
S-201	EU	63BBBBB-1	112(B) HAPS	40 CFR Part 63, Subpart BBBBBB	§ 63.11087(a)-Table 1.2.b § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 63.11083(a)(2) § 63.11085(a)	If you own or operate a gasoline storage tank with a capacity of greater than or equal to 75 cubic meters (m3), then you must equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 63.11092(e)(1)	§ 60.115b § 60.115b(a)(2) § 63.11081(j) § 63.11094(a) § 63.11094(f)(1) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11094(g) § 63.11094(g)(1) § 63.11094(g)(2)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.11086(e) § 63.11086(e)(1) § 63.11086(e)(2) § 63.11086(e)(3) § 63.11086(e)(4) § 63.11086(f) § 63.11087(f) § 63.11094(f)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the requirements in §60.112b(a)(1)(iv) through (ix) of this chapter.			§ 63.11094(f)(2)(i) § 63.11095(a) § 63.11095(a)(1) § 63.11095(d)
S-202	EU	3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
S-202	EU	63BBBBB B-1	112(B) HAPS	40 CFR Part 63, Subpart BBBBBB	§ 63.11087(a)-Table 1.2.b § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 63.11083(a)(2) § 63.11085(a)	If you own or operate a gasoline storage tank with a capacity of greater than or equal to 75 cubic meters (m3), then you must equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv) through (ix) of this chapter.	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 63.11092(e)(1)	§ 60.115b § 60.115b(a)(2) § 63.11081(j) § 63.11094(a) § 63.11094(f)(1) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11094(g) § 63.11094(g)(1) § 63.11094(g)(2)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.11086(e) § 63.11086(e)(1) § 63.11086(e)(2) § 63.11086(e)(3) § 63.11086(e)(4) § 63.11086(f) § 63.11087(f) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11095(a) § 63.11095(a)(1) § 63.11095(d)
S-203	EU	3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-203	EU	63BBBBB B-1	112(B) HAPS	40 CFR Part 63, Subpart BBBBBB	§ 63.11087(a)-Table 1.2.b § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 63.11083(a)(2) § 63.11085(a)	If you own or operate a gasoline storage tank with a capacity of greater than or equal to 75 cubic meters (m3), then you must equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv) through (ix) of this chapter.	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 63.11092(e)(1)	§ 60.115b § 60.115b(a)(2) § 63.11081(j) § 63.11094(a) § 63.11094(f)(1) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11094(g) § 63.11094(g)(1) § 63.11094(g)(2)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.11086(e) § 63.11086(e)(1) § 63.11086(e)(2) § 63.11086(e)(3) § 63.11086(e)(4) § 63.11086(f) § 63.11087(f) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11095(a) § 63.11095(a)(1) § 63.11095(d)
S-204	EU	3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
S-204	EU	63BBBBB B-1	112(B) HAPS	40 CFR Part 63, Subpart BBBBBB	§ 63.11087(a)-Table 1.2.b § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 63.11083(a)(2) § 63.11085(a)	If you own or operate a gasoline storage tank with a capacity of greater than or equal to 75 cubic meters (m3), then you must equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 63.11092(e)(1)	§ 60.115b § 60.115b(a)(2) § 63.11081(j) § 63.11094(a) § 63.11094(f)(1) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11094(g) § 63.11094(g)(1) § 63.11094(g)(2)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.11086(e) § 63.11086(e)(1) § 63.11086(e)(2) § 63.11086(e)(3) § 63.11086(e)(4) § 63.11086(f) § 63.11087(f) § 63.11094(f)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the requirements in §60.112b(a)(1)(iv) through (ix) of this chapter.			§ 63.11094(f)(2)(i) § 63.11095(a) § 63.11095(a)(1) § 63.11095(d)
S-205	EU	3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
S-205	EU	63BBBBB B-1	112(B) HAPS	40 CFR Part 63, Subpart BBBBBB	§ 63.11087(a)-Table 1.2.b § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 63.11083(a)(2) § 63.11085(a)	If you own or operate a gasoline storage tank with a capacity of greater than or equal to 75 cubic meters (m3), then you must equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv) through (ix) of this chapter.	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 63.11092(e)(1)	§ 60.115b § 60.115b(a)(2) § 63.11081(j) § 63.11094(a) § 63.11094(f)(1) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11094(g) § 63.11094(g)(1) § 63.11094(g)(2)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.11086(e) § 63.11086(e)(1) § 63.11086(e)(2) § 63.11086(e)(3) § 63.11086(e)(4) § 63.11086(f) § 63.11087(f) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11095(a) § 63.11095(a)(1) § 63.11095(d)
S-206	EU	3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S-206	EU	63BBBBBB-1	112(B) HAPS	40 CFR Part 63, Subpart BBBBBB	§ 63.11087(a)-Table 1.2.b § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 63.11083(a)(2) § 63.11085(a)	If you own or operate a gasoline storage tank with a capacity of greater than or equal to 75 cubic meters (m3), then you must equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv) through (ix) of this chapter.	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 63.11092(e)(1)	§ 60.115b § 60.115b(a)(2) § 63.11081(j) § 63.11094(a) § 63.11094(f)(1) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11094(g) § 63.11094(g)(1) § 63.11094(g)(2)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.11086(e) § 63.11086(e)(1) § 63.11086(e)(2) § 63.11086(e)(3) § 63.11086(e)(4) § 63.11086(f) § 63.11087(f) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11095(a) § 63.11095(a)(1) § 63.11095(d)
S-207	EU	3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
S-207	EU	3	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) § 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)
S-207	EU	60Kb-2	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels	§ 60.116b(a) § 60.116b(b)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(c)	
S-207	EU	60Kb-3	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)
S-207	EU	60Kb-4	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 (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
S-207	EU	63BBBBB B-1	112(B) HAPS	40 CFR Part 63, Subpart BBBBBB	§ 63.11087(a)-Table 1.2.b § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 63.11083(a)(2) § 63.11085(a)	If you own or operate a gasoline storage tank with a capacity of greater than or equal to 75 cubic meters (m3), then you must equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 63.11092(e)(1)	§ 60.115b § 60.115b(a)(2) § 63.11081(j) § 63.11094(a) § 63.11094(f)(1) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11094(g) § 63.11094(g)(1) § 63.11094(g)(2)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.11086(e) § 63.11086(e)(1) § 63.11086(e)(2) § 63.11086(e)(3) § 63.11086(e)(4) § 63.11086(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)
						requirements under §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv) through (ix) of this chapter.			§ 63.11087(f) § 63.11094(f)(2) § 63.11094(f)(2)(i) § 63.11095(a) § 63.11095(a)(1) § 63.11095(d)
TRUCKUNLOAD	EU	R5211-LAND	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-CRUDE	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 12
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-CRUDE3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-21
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TANKS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: S-201	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: S-202	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: S-203	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: S-204	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: S-205	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: S-206	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: S-207	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once every 12 months	
Averaging Period: N/A	
Deviation Limit: A deviation occurs if the roof is not resting on the liquid surface inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Conduct and record visual inspections to verify roof fitting and seal integrity in accordance with NSR Permit 32769/PSDTX1258M4, Special Condition 7C. Inspections must occur at least once every 12 months.	

Permit Shield

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B-1	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Marine vessel transfer operations exempt in covered attainment counties.
B-2	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Marine vessel transfer operations exempt in covered attainment counties.
F-1	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery.
F-100	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery.
F-15	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery.
F-16	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery.
F-2	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery.
F-200	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery.
F-400	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not located at a petroleum refinery.
GRP-CRUDE	S-400M1, S-400M2, S-400M3, S-400M4	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
GRP-CRUDE2	S-200M1, S-200M2, S-200M3, S-200M7, S-200M8, S-200M9	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
GRP-CRUDE3	S-200M4, S-200M5, S-200M6	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
GRP-TANKS	S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7,	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.

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 ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	S-100M8, S-100M9		
S-201	N/A	40 CFR Part 60, Subpart K	Tank constructed prior to June 11, 1973.
S-202	N/A	40 CFR Part 60, Subpart K	Tank constructed prior to June 11, 1973.
S-203	N/A	40 CFR Part 60, Subpart K	Tank constructed prior to June 11, 1973.
S-204	N/A	40 CFR Part 60, Subpart K	Tank constructed prior to June 11, 1973.
S-205	N/A	40 CFR Part 60, Subpart K	Tank constructed prior to June 11, 1973.
S-206	N/A	40 CFR Part 60, Subpart K	Tank constructed prior to June 11, 1973.
T1334	N/A	30 TAC Chapter 115, Storage of VOCs	Fixed roof storage tank storing VOC with a true vapor pressure less than 1.5 psia.
T1334	N/A	40 CFR Part 60, Subpart Kb	Tank capacity greater than 151 cubic meters (39,900 gal) storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (0.5 psia).
T1334	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.

New Source Review Authorization References

New Source Review Authorization References

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1258M4	Issuance Date: 09/23/2024
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.: 32769	Issuance Date: 09/23/2024
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.263	Version No./Date: 11/01/2001

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**
B-1	OIL DOCK 1	32769, PSDTX1258M4
B-15	NUSTAR DOCK 15	32769, PSDTX1258M4
B-16	NUSTAR DOCK 16	32769, PSDTX1258M4
B-2	OIL DOCK 2	32769, PSDTX1258M4
F-1	PIPING FUGITIVES	32769, PSDTX1258M4
F-100	FUGITIVE COMPONENTS	32769, PSDTX1258M4
F-15	FUGITIVE COMPONENTS	32769, PSDTX1258M4
F-16	FUGITIVE COMPONENTS	32769, PSDTX1258M4
F-2	CRUDE LOADING FUGITIVE COMPONENTS	32769, PSDTX1258M4
F-200	FUGITIVE COMPONENTS	32769, PSDTX1258M4
F-400	FUGITIVE COMPONENTS	32769, PSDTX1258M4
S-100M1	IFR TANK 1	32769, PSDTX1258M4
S-100M2	IFR TANK 2	32769, PSDTX1258M4
S-100M3	IFR TANK 3	32769, PSDTX1258M4
S-100M4	IFR TANK 4	32769, PSDTX1258M4
S-100M5	IFR TANK 5	32769, PSDTX1258M4
S-100M6	IFR TANK 6	32769, PSDTX1258M4
S-100M7	IFR TANK 7	32769, PSDTX1258M4
S-100M8	IFR TANK 8	32769, PSDTX1258M4
S-100M9	IFR TANK 9	32769, PSDTX1258M4
S-200M1	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4

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**
S-200M2	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-200M3	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-200M4	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-200M5	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-200M6	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-200M7	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-200M8	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-200M9	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-201	PRODUCTS STORAGE TANK	32769, PSDTX1258M4
S-202	PRODUCTS STORAGE TANK	32769, PSDTX1258M4
S-203	PRODUCTS STORAGE TANK	32769, PSDTX1258M4
S-204	PRODUCTS STORAGE TANK	32769, PSDTX1258M4
S-205	PRODUCTS STORAGE TANK	32769, PSDTX1258M4
S-206	PRODUCTS STORAGE TANK	32769, PSDTX1258M4
S-207	PRODUCTS STORAGE TANK	32769, PSDTX1258M4
S-400M1	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-400M2	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-400M3	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
S-400M4	CRUDE OIL STORAGE TANK	32769, PSDTX1258M4
T1334	STORAGE TANK 1334	32769, PSDTX1258M4
TRUCKUNLOAD	LAND-BASED TRUCK UNLOADING	32769, PSDTX1258M4

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

Appendix A

Acronym List

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

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (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
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
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
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
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

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
S-100M1	Crude Oil/ Condensate Storage Tank	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M2	Crude Oil/ Condensate Storage Tank	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M3	Crude Oil/ Condensate Storage Tank	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M4	Crude Oil/ Condensate Storage Tank	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M5	Crude Oil/ Condensate Storage Tank	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M6	Crude Oil/ Condensate Storage Tank	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M7	Crude Oil/ Condensate Storage Tank	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M8	Crude Oil/ Condensate Storage Tank	VOC	9.71	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.03	—			
S-100M9	Crude Oil/ Condensate	VOC	9.74	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Storage Tank	H_2S	0.03	—			
S-200M1	Storage Tank S-200M1	VOC	27.92	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.08	—			
S-200M2	Storage Tank S-200M2	VOC	27.92	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.08	—			
S-200M3	Storage Tank S-200M3	VOC	27.92	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.08	—			
S-200M4	Storage Tank S-200M4	VOC	26.37	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.07	—			
S-200M5	Storage Tank S-200M5	VOC	26.37	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.07	—			
S-200M6	Storage Tank S-200M6	VOC	26.37	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.07	—			
S-200M7	Storage Tank S-200M7	VOC	25.02	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.07	—			
S-200M8	Storage Tank S-200M8	VOC	25.02	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.07	—			

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
S-200M9	Storage Tank S-200M9	VOC	25.02	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.07	—			
S-400M1	Storage Tank S-400M1	VOC	21.02	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.06	—			
S-400M2	Storage Tank S-400M2	VOC	21.02	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.06	—			
S-400M3	Storage Tank S-400M3	VOC	21.02	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.06	—			
S-400M4	Storage Tank S-400M4	VOC	21.02	—	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	0.06	—			
TankCap	TankCap	VOC	--	123.45	3, 7, 8, 9	3, 7, 8, 9, 22	3, 7
		H_2S	--	0.17			
S-201	Storage Tank 201	VOC	1.95	—	4, 7, 9	4, 7, 9, 22	4, 7
S-202	Storage Tank 202	VOC	1.82	—	4, 7, 9	4, 7, 9, 22	4, 7
S-203	Storage Tank 203	VOC	1.00	—	4, 7, 9	4, 7, 9, 22	4, 7
S-204	Storage Tank 204	VOC	2.08	—	4, 7, 9	4, 7, 9, 22	4, 7
S-205	Storage Tank 205	VOC	0.95	—	4, 7, 9	4, 7, 9, 22	4, 7

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
S-206	Storage Tank 206	VOC	2.18	—	4, 7, 9	4, 7, 9, 22	4, 7
S-207	Storage Tank 207	VOC	2.02	—	3, 4, 7, 9	3, 4, 7, 9, 22	3, 4, 7
TankCap200	Storage Tanks S-201 through S-207 annual emission CAP	VOC	---	8.58	3, 4, 7, 9	3, 4, 7, 9, 22	3, 4, 7
F-1 F-2	Fugitive Components (5)	VOC	2.77	12.12	4, 13, 14	4, 13, 14, 22	4, 13
		H_2S	0.02	0.03			
F-15	Fugitive Components (5)	VOC	0.61	2.65	13	13, 22	13
		H_2S	<0.01	<0.01			
F-16	Fugitive Components (5)	VOC	0.61	2.65	13	13, 22	13
		H_2S	<0.01	<0.01			
F-100	Fugitive Components (5)	VOC	0.84	3.69	13, 16, 22	13, 16, 22	13
		H_2S	<0.01	<0.01			
F-400	Fugitive Components (5)	VOC	0.19	0.83	13, 16	13, 16, 22	13
		H_2S	<0.01	<0.01			
F-200	Fugitive Components (5)	VOC	0.11	0.49	13, 16	13, 16, 22	13
		H_2S	<0.01	<0.01			
B-1	Oil Dock 1	VOC	31.59	20.18	4, 5	4, 5, 22	4, 7

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		H_2S	0.09	0.03			
B-15	NuStar Dock 15	VOC	31.59	20.18	4, 5	4, 5, 22	4, 7
		H_2S	0.09	0.03			
B-16	NuStar Dock 16	VOC	31.59	20.18	4, 5	4, 5, 22	4, 7
		H_2S	0.09	0.03			
Dock Cap	B-1, B-15, B-16 Combined Annual Emission Cap (7)	VOC	—	20.18	4, 5	4, 5, 22	4, 7
		H_2S	—	0.03			
B-2A (6)	Oil Dock 2 (Refined Products)	VOC	35.69	6.45	4, 5	4, 5, 22	4, 7
VCU-2	VCU-2 (Refined products from Oil Dock 2 Loading Arm B-2A) (8)	VOC	35.33	5.01	4, 10, 12, 21	4, 5, 10, 12, 21, 22	4, 12
		NO_x	9.75	1.60			
		CO	19.47	3.19			
		PM	0.53	0.09			
		$PM_{2.5}$	0.53	0.09			
		PM_{10}	0.53	0.09			
VCU-2	VCU-2 (Oil Dock 2-Crude/Condensate from Oil Dock 2 Loading Arm	VOC	31.59	39.21	4, 5, 10, 12, 21	4, 5, 10, 12, 21, 22	4, 12
		NO_x	4.08	8.59			

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	B-2B) (8)	CO	17.41	36.62			
		SO_2	16.65	10.27			
		PM	0.47	0.99			
		$PM_{2.5}$	0.47	0.99			
		PM_{10}	0.47	0.99			
		H_2S	0.09	0.05			
VCU-3	Vapor Combustor No. 3 (8)	VOC	15.78	78.39	4, 10, 12, 21	4, 5, 10, 12, 21, 22	4, 12
		NO_x	10.61	44.84			
		CO	33.72	142.48			
		SO_2	16.63	37.83			
		PM	0.91	3.85			
		$PM_{2.5}$	0.91	3.85			
		PM_{10}	0.91	3.85			
		H_2S	0.04	0.10			
VCU-4	Vapor Combustor No. 4 (8)	VOC	15.78	78.39	4, 10, 12, 21	4, 5, 10, 12, 21, 22	4, 12
		NO_x	10.61	44.84			
		CO	33.72	142.48			

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		SO_2	16.63	37.83			
		PM	0.91	3.85			
		$PM_{2.5}$	0.91	3.85			
		PM_{10}	0.91	3.85			
		H_2S	0.04	0.10			
VCU-5	Vapor Combustor No. 5 (8)	VOC	15.78	78.39	4, 10, 12, 21	4, 5, 10, 12, 21, 22	4, 12
		NO_x	10.61	44.84			
		CO	33.72	142.48			
		SO_2	16.63	37.83			
		PM	0.91	3.85			
		$PM_{2.5}$	0.91	3.85			
		PM_{10}	0.91	3.85			
		H_2S	0.04	0.10			
VCU Cap	VCU-2, 3, 4, 5, Combined Annual Cap (8)	VOC	—	83.41	4, 5, 10, 12, 21	4, 5, 10, 12, 21, 22	4, 12
		NO_x	—	44.84			
		CO	—	145.67			
		SO_2	—	37.83			

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM	—	3.94			
		$PM_{2.5}$	—	3.94			
		PM_{10}	—	3.94			
		H_2S	—	0.10			
MSS-NB-Controlled	Controlled Tank Roof MSS Emissions (North Beach) (9)	VOC	31.90	0.32	16, 17, 18, 19, 20	16, 17, 18, 19, 20, 22	
		NO_x	2.76	0.55			
		CO	5.51	1.10			
		SO_2	0.34	0.07			
		PM	0.15	0.03			
		$PM_{2.5}$	0.15	0.03			
		PM_{10}	0.15	0.03			
		H_2S	<0.01	0.01			
MSS-NB-ATM	MSS Emissions (North Beach) to atmosphere	VOC	48.87	0.39	16, 17, 18, 19, 20	16, 17, 18, 19, 20, 22	
		H_2S	0.14	<0.01			
T1334	Storage Tank 1334	VOC	3.23	2.67	7	7, 22	7
MSS-100-Controlled	Controlled Storage Tank Maintenance, Startup and Shutdown-	VOC	65.98	0.28	16, 17, 18, 19, 20	16, 17, 18, 19, 20, 22	
		SO_2	1.02	0.07			

Major NSR Summary Table

Permit Numbers: 32769 and PSDTX1258M4					Issuance Date: September 23, 2024		
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)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Temporary VCU (100 Series) (10)	NO_x	8.28	0.55			
		CO	16.53	1.10			
		PM	0.45	0.03			
		PM_{10}	0.45	0.03			
		$PM_{2.5}$	0.45	0.03			
		H_2S	0.18	<0.01			
MSS-100-ATM	MSS emissions (100 Series) to atmosphere	VOC	61.21	0.31	16, 18, 19, 20	16, 18, 19, 20, 22	
		H_2S	0.17	<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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Maximum hourly emissions are limited to the maximum hourly emissions authorized for each loading arm (B-2A and B-2B) for EPN VCU-3.
(7) Cap applies to total emissions for the following EPNs: B-1, B-15 and B-16.
(8) Cap applies to total emissions for the following EPNs: VCU-2, 3, 4, and 5.EPN VCU 2 includes Refined products from Oil Dock 2 Loading Arm B-2A and Oil Dock 2-Crude/Condensate from Oil Dock 2 Loading Arm B-2B.
(9) Applies to FINs: S-200M4, S-200M5 and S-200M6. Total emissions include the products of combustion of controlled MSS activities plus pilot/assist gas emissions; tank MSS will not occur simultaneously for more than one tank.

(10) Applies to FINs: S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8 and S-100M9. Total emissions include the products of combustion of controlled MSS activities. Tank MSS may occur simultaneously for up to three 100 Series tanks.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
NuStar Logistics, L.P.
Authorizing the Construction and Operation of
Corpus Christi Terminal
Located at **Corpus Christi, Nueces County, Texas**
Latitude 27.818055 Longitude -97.413333

Permits: 32769 and PSDTX1258M4

Amendment Date: September 23, 2024

Expiration Date: October 31, 2028

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 (TAC) Section 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]
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)]
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 in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in 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 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 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 "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.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
$\mu g/m^3$ = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen
NSPS = New Source Performance Standards

PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Permit Numbers 32769 and PSDTX1258M4

Emission Limitations

1. This permit authorizes emissions only 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 that table and other operating requirements specified in the special conditions.

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

Federal Applicability

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):

   A. Subparts A, General Provisions

   B. Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels

4. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63: **(10/20)**

   A. Subpart A, General Provisions

   B. Subpart Y, National Emission Standards for Marine Tank Vessel Loading Operations

   C. Subpart BBBBBB, National Emission Standards for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Loading and Operational Limitations

5. Loading operations at the Corpus Christi Terminal are subject to the following requirements:

   A. The amount of refined product loaded from the permitted facility through Oil Docks 1 and 2 shall not exceed the amounts listed below. The operator of the facility shall record daily and monthly amounts of each product loaded to demonstrate compliance with the following limits:

Product	Rolling 12 Month Loading Limit (bbl/year)
Gasoline	2,920,000
Turbine Fuel	1,825,000
Diesel	2,190,000
Toluene	1,460,000
Mixed Xylenes	2,555,000
Pipeline Slop	73,000

B. Crude oil and condensate loading is authorized for the following loading spots at the rates and for the vessel types indicated. The operator of the facility shall record daily, and monthly amounts of each product loaded to demonstrate compliance with these limits. **(10/20)**

Loading Spot	Product type	Vessel Type	Rolling 12 Month Throughput (bbl/year) *
Oil Dock 1	Crude Oil / Condensate	Coastal/Inland Barge and Ship/Ocean Barge	365,000,000
NuStar Dock 15	Crude Oil / Condensate	Ship/Ocean Barge / Coastal/Inland Barge	
NuStar Dock 16	Crude Oil / Condensate	Ship/Ocean Barge/Coastal/Inland Barge	
Oil Dock 2 (Loading Arm B-2B)	Crude Oil / Condensate	Coastal / Inland Barge	38,000,000
*Crude oil / condensate loading across all four docks limited to maximum loading rate of 365 MM bbl/yr.			

C. The maximum fill rate at Oil Docks 1 & 2, NuStar Dock 15 and Oil Dock 16 shall not exceed the following limits (bbl/hr) for the vessel types indicated: **(09/24)**

Product	Oil Dock 1	Oil Dock 2***		NuStar Dock 15	NuStar Dock 16	Combined Oil Docks 1 & 2, NuStar Dock 15 and Oil Dock 16 (Bbl/hr)
		(Arm B-2A)	(Arm B-2B)			
Products other than Crude Oil and Condensate	12,000*	12,000**	_____	____	____	12,000
Crude Oil and Condensate	12,000**	_____	12,000**	12,000**	12,000**	132,000
	30,000*		_____	30,000*	30,000*	

* Ships and ocean barges.
** Coastal/inland barges.
*** Only one loading arm can be used at a given time.

D. The loading or unloading of coastal / inland barges and ships/ocean barges is authorized at this facility.

E. The following additional requirements apply to loading of a volatile organic compound (VOC) which has a vapor pressure equal to or greater than 0.5 pounds per square inch absolute (psia) under actual storage conditions onto inerted marine vessels (ships). **(10/20)**

(1) Before loading, the owner or operator of the marine terminal shall verify that the marine vessel has passed an annual vapor tightness test as specified in 40 CFR §63.565(c) (September 19, 1995) or 40 CFR §61.304(f) (October 17, 2000) within the previous twelve months, and received a recent, completed Standard Tanker Chartering Questionnaire form (Q88) or equivalent. **(10/20)**

(2) The pressure at the vapor collection connection of an inerted marine vessel must be maintained such that the pressure in a vessel's cargo tanks does not go below 0.2 pounds per square inch gauge (psig) or exceed 80% of the lowest setting of any of the vessel's pressure relief valves. The lowest vessel cargo tank or vent header pressure relief valve setting for the vessel being loaded shall be recorded. Pressure shall be continuously monitored while the vessel is being loaded. Pressure shall be recorded at fifteen-minute intervals.

(3) VOC loading rates shall be recorded during loading. The loading rate must not exceed the maximum permitted loading rate.

(4) During loading, the owner or operator of the marine terminal or of the marine vessel shall conduct audio, olfactory, and visual checks for leaks once every 8 hours for on-shore equipment and on board the ship.

(a) If a liquid leak is detected during loading and cannot be repaired immediately (for example, by tightening a bolt or packing gland), then the loading operation shall cease until the leak is repaired.

(b) If a vapor leak is detected by sight, sound, smell, or hydrocarbon gas analyzer during the loading operation, then a "first attempt" shall be made to repair the leak. Loading operations need not be ceased if the first attempt to repair the leak is not successful provided that the first attempt effort is documented by the owner or operator of the marine

vessel and a copy of the repair log are made available to a representative of the marine terminal.

(c) If the attempt to repair the leak is not successful and loading continues, emissions from the loading operation for that ship shall be calculated assuming a collection efficiency of 99%. **(10/20)**

(d) Date and time of each inspection shall be noted in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the Texas Commission on Environmental Quality (TCEQ) upon request.

F. Loading at this facility of products other than diesel or turbine fuel into barges shall be subject to the following conditions:

(1) Loading vapors shall be routed to a vapor combustion unit (VCU). Oil Dock 1 shall route to EPN VCU-3 or VCU-2. Both loading arms from Oil Dock 2 shall route to EPN VCU-2. NuStar Dock 16 shall route to EPN VCU-4. NuStar Dock 15 shall route to EPN VCU-5.

(2) Loading shall not commence unless the vapor collection system is properly connected, and the entire vapor collection and recovery system is working as designed. Loading at the dock 1, 2,15 or 16 shall cease if the associated VCU is inoperable for any reason.

(3) All lines and connectors shall be visually inspected for any defects prior to hookup. Lines and connectors that are visibly damaged shall be removed from service until they are repaired to a leak-free state.

(4) Operations shall cease immediately upon detection of any liquid leaking from the lines or connections. Operations shall not be continued until the lines and connections are repaired to a leak-free state.

(5) Before loading, a barge with a VOC which has a vapor pressure equal to or greater than 0.50 pounds per square inch absolute under actual storage conditions, the owner or operator of the marine terminal shall verify that the marine vessel has passed an annual vapor tightness test as specified in 40 CFR §63.565(c) (September 19, 1995) or 40 CFR §61.304(f) (October 17, 2000) within the previous twelve months.

(6) Records shall be kept at the plant site to demonstrate compliance with the requirements of this Special Condition concerning barges being loaded at this facility. All records shall be maintained for at least two years and be made immediately available at the request of TCEQ personnel or any local air pollution program having jurisdiction. The records shall include as a minimum:

(a) Date of loading.

(b) Name of the product loaded.

(c) Date the barge last passed the leak-tight test.

(d) Identification number of the barge.

G. Loading at this facility of diesel or turbine fuel into ships or ocean barges in which the last previous product transported was a VOC with a maximum true vapor pressure which exceeds 0.50 psia shall be subject to Special Condition No. 5.F.

H. The following additional requirements apply to loading crude oil and condensate from loading arm 2B at Dock 2.

(1) Before loading a marine vessel with a VOC which has a vapor pressure equal to or greater than 0.5 pounds per square inch absolute (psia) at 95°F or the loading temperature, whichever is higher, the owner or operator of the marine terminal shall verify that the marine vessel has passed an annual vapor tightness test as specified in 40 CFR §63.565(c) (September 19, 1995) or 40 CFR §61.304(f) (October 17, 2000) within the previous twelve months. **(10/20)**

(2) All vapors associated with marine loading of crude oil and condensate from loading arm 2B at Dock 2 shall be routed through a vacuum-assisted collection system.

(3) The marine loading vapor collection system shall be operated such that the vacuum maintained in the collection system during loading is no less than one inch of water and that the vessel being loaded is also under a vacuum.

(4) A pressure measurement device shall be installed as close as possible to the vessel's vapor return port to continuously monitor and record the vacuum while loading is taking place. The collection system vacuum shall be continuously monitored and recorded at least once every 15 minutes while loading is occurring. The monitoring device shall be calibrated at least annually in accordance with the manufacturer's specifications.

(5) The vacuum monitor shall have an accuracy of the greater of ±5 percent of the vacuum being measured or ±0.15 inches of water.

(6) Quality-assured (or valid) data must be generated when loading is occurring. 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 barge loading is occurring over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

I. Loading materials with vapor pressures greater than or equal to 0.5 psia into ships and barges shall not begin until the stack temperature of the loading vapor combustors (EPN VCU-2, VCU-3, VCU-4 and VCU-5) being utilized has reached a set point as specified in Special Condition No. 10.

6. Storage tank throughput and service shall be limited to the following: **(09/24)**

Tank(s)	Service	Fill/Withdrawal rate per tank (Bbls/hour)	Rolling 12 Month Throughput (Bbls/yr)*
Tanks S-201, S-202, S-203, S-204, S-205, S-206, and S-207	Gasoline, gasoline blendstocks, diesel fuel, turbine fuel, xylene, toluene, naphtha, pipeline interface slop, alkylate, and raffinate products including n-hexane, benzene, cyclohexane, toluene, ethylbenzene, meta-xylene, para-xylene, orto-xyxlene, and isopropylbenzene. The maximum true vapor pressures for stored products shall not exceed 10.5 psia.	5,000 (Fill only) 3,800 (Withdraw only)	
S-400M1, S-400M2, S-400M3, S-400M4	Crude oils and condensate with maximum true vapor pressures not exceeding 11.00 psia.	100,000	438,000,000
S-200M1, S-200M2, S-200M3, S-200M4, S-200M5, S-200M6, S-200M7, S-200M8, and S-200M9	Crude oils and condensate with maximum true vapor pressures not exceeding 11.00 psia.	100,000	438,000,000
S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, and S-100M9	Crude Oils and Condensate with maximum true vapor pressures not exceeding 11.00 psia.	30,000	438,000,000
T1334**	Diesel, no. 6 fuel oil, and kerosene	1080 (fill rate for diesel and jet kerosene) 500 (fill rate for no. 6 fuel oil)	1,200,000 (diesel and jet kerosene) 3,650,000 (no. 6 fuel oil)

* The annual limit applies to each individual tank;
** Storage tank is heated when storing no. 6 fuel oil

7. Storage tanks are subject to the following requirements. The control requirements specified in Paragraphs A - D of this condition shall not apply (1) where the volatile organic compound (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.

   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 weather shield 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 Title 40 Code of Federal Regulations §60.113b (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 labels, logos, etc. not to exceed 15 percent of the tank total surface area, uninsulated tank exterior surfaces exposed to the sun shall be white or unpainted aluminum. Storage tanks must be equipped with permanent submerged fill pipes.

   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 Texas Commission on Environmental Quality (TCEQ) publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."

   G. Operation without visible liquid leaks or spills shall be maintained at all loading or unloading facilities, regardless of vapor pressure. This does not apply to momentary dripping associated with the initial connection or disconnection of fittings. Sustained dripping from fittings during loading or unloading operations is not permitted. Any liquid spill that occurs during loading or unloading activities shall be reported pursuant to Title 30 Texas Administrative Code (30 TAC) §§101.6 or 101.7 and shall be cleaned up immediately to minimize air emissions.

8. Products with a vapor phase concentration in excess of 2,800 parts per million volume hydrogen sulfide (H_2S) shall not be stored at this permitted facility.

   A. In order to demonstrate compliance with this special condition, samples shall be drawn from each tank storing crude oil and analyzed by an accredited lab to determine the vapor phase concentration of the product as determined by ASTM Method D5705. Additional analytical methods may be approved by the TCEQ Regional Office. **(10/20)**

   B. The frequency of sampling shall be the more frequent of: **(10/20)**

      (1) annual; or

      (2) within 60 days of any change of service for an affected tank.

   C. Records of H2S concentrations measured to meet the requirements of this condition shall be maintained at the plant site. All records necessary to show compliance with the permit should be retained for five years. **(10/20)**

9. The benzene content of any product stored shall not exceed the values listed for the specified tanks. Tanks which store diesel, xylene, or toluene are exempted from the requirement in subpart D of this condition relating to benzene testing. **(10/20)**

   A. Products stored in tanks (EPNs: S-201, S-202, S-203, S-204, S-205, S-206, and S-207) shall not exceed 5.0 percent benzene by weight. The 12-month rolling average benzene content of the products stored in any of these tanks shall not exceed 2.0 percent by weight.

   B. Products stored in tanks (EPNs: S-400M1, S-400M2, S-400M3, S-400M4, S-200M1, S-200M2, S-200M3, S-200M4, S-200M5, S-200M6, S-200M7, S-200M8, and S-200M9) shall not exceed 1.2 percent benzene by weight. **(09/24)**

   C. Products stored in tanks (EPNs: S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, S-100M9) shall not exceed 1.2 percent benzene by weight. **(10/20)**

   D. In order to demonstrate compliance with this special condition, samples shall be drawn from a representative tank from each list specified in in A., B., and C. above and tested by an accredited lab. The frequency of sampling shall be the more frequent of: **(10/20)**

      (1) annual; or

      (2) within 60 days of any change of service for an affected tank.

   E. Records of benzene concentrations measured to meet the requirements of this Condition shall be maintained at the plant site. All records necessary to show compliance with the permit should be retained for five years

Vapor Combustion Units (VCUs)

10. Except as may be provided for in the special conditions of this permit, all collected waste gas from barge loading vents containing VOC shall be routed to one of the site VCUs (EPN's: VCU-2, VCU-3, VCU-4, VCU-5), which shall each be designed and operated in accordance with the following requirements:

    A. The vapor combustion units shall achieve the following control efficiency of crude oils/condensate and refined product. **(10/20)**

EPN	Product	Control efficiency (%)
VCU-2	Crude Oils/Condensate	99.0%
VCU-2	Refined Products	99.0%
VCU-3	Crude Oils/Condensate	99.5%
VCU-4	Crude Oils/Condensate	99.5%
VCU-5	Crude Oils/Condensate	99.5%

Each VCU (EPNs VCU-2, VCU-3, VCU-4 and VCU-5) shall be equipped with a monitor (temperature sensor) that continuously measures and records the temperature of the VCU combustion chamber (or in the duct immediately downstream of the combustion chamber before any substantial heat exchange occurs) and shall be accurate to within ± 5°F. The combustion chamber six-minute average temperature shall be maintained above the minimum one hour average temperature maintained during the last satisfactory stack test. Should future stack testing be conducted in accordance with Special Condition 12, the six-minute average temperature of the VCUs shall be kept above the minimum one-hour average temperature maintained during the updated satisfactory stack test. Records of stack testing that change the temperature limit with a new temperature noted shall be kept on site and available with the temperature records for the units.

B. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature monitor shall be installed, calibrated at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of ±2 percent of the temperature being measured expressed in degrees Celsius or ±2.5ºC.

C. Quality assured (or valid) data must be generated when a VCU 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 a VCU operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

D. Each vapor combustor shall be operated with no visible emissions and have a constant pilot flame during all times waste gas could be directed to it. 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 while waste gas is being routed to the control device shall be recorded. Each monitoring device shall be maintained in accordance with, the manufacturer's specifications. **(09/24)**

11. Fuel gas combusted at this site shall be sweet natural gas containing no more than 0.2 grains of total sulfur per 100 dry standard cubic feet. **(10/20)**

Determination of Compliance

12. The permit holder 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 VCU-2, VCU-3, VCU-4, and VCU-5 to demonstrate compliance with the MAERT and the destruction efficiency of 99%. The permit holder is responsible for providing sampling and testing facilities and conducting

the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual and the U.S. Environmental Protection Agency (EPA) Reference Methods.

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60) testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

A. The appropriate TCEQ Regional Office shall be notified not less than 45 days prior to sampling. The notice shall include:

(1) Proposed 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) Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.

(7) Procedure/parameters to be used to determine worst case emissions during the 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 the test reports. The TCEQ Regional Director must approve any deviation from specified sampling procedures.

B. Air contaminants emitted from VCU-2, VCU-3, VCU-4, and VCU-5 to be tested for include (but are not limited to) VOC, NO_x and SO_2. This does not require the permit holder to re-test VCUs tested under past permit conditions that required only VOC testing.

C. Sampling of VCU-2, 3, and 4 shall occur within 60 days after achieving the maximum operating rate, but no later than 180 days after initial start-up of the facilities, or 180 days after completion of construction of facilities and at such other times as may be required by the TCEQ Executive Director. Sampling of VCU-5 shall occur within 60 days after achieving the maximum operating rate, but no later than 180 days after initial start-up of the facilities, or 180 days after completion of construction of facilities authorized with issuance of the permit amendment (PI-1 dated April 28, 2017), and at such other times as may be required by the TCEQ Executive Director.

Requests for additional time to perform sampling for VCU-2, VCU-3, VCU-4, and VCU-5 shall be submitted to the appropriate TCEQ Regional Office.

D. Stack emission testing of VCU-2, VCU-3, VCU-4, and VCU-5 shall be made when ship loading is at the maximum rate. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived

during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

During subsequent operations, if the marine loading rate is greater than that recorded during the test period, stack sampling shall be performed at the new operating conditions within 120 days. This sampling may be waived by the TCEQ Air Section Manager for the region.

E. Copies of the final sampling report shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled "Chapter 14, Contents of Sampling Reports" of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the appropriate TCEQ Regional Office.

One copy to each local air pollution control program.

Sampling ports and platform(s) shall be incorporated into the design of VCU-2, VCU-3, VCU-4, and VCU-5 according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" of the TCEQ Sampling Procedures Manual. Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Director.

Piping, Valves, Flanges, Connectors, Pumps, and Compressors - Intensive Directed Maintenance 28MID

13. The following requirements apply to fugitive components not subject to monitoring under Special Condition 14.

A. The requirements of paragraphs F and G shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68^{o} F or (2) 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 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, agitators, 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 30 TAC Chapter 115, shall be identified in a list to be made 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.

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 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.

F. Accessible valves shall be monitored by leak checking for fugitive emissions at least quarterly using an approved gas analyzer with a directed maintenance program. 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 at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph.

An approved 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. A

calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. 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.

A directed maintenance program shall consist of the repair and maintenance of components assisted simultaneously using an approved gas analyzer such that a minimum concentration of leaking VOC is obtained for each component being maintained. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained. Replaced components shall be re-monitored within 15 days of being placed back into VOC service.

G. All new and replacement pumps, compressors, and agitators shall be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. These seal systems need not be monitored and 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.

All other pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly.

H. Damaged or leaking valves, connectors, compressor seals, pump seals, and agitator seals 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. 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. 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 shut down 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 shut down 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.

I. In lieu of the monitoring frequency specified in Paragraph F, valves in gas and light liquid service may be monitored on a semiannual basis if the percent of valves leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Valves in gas and light liquid service may be monitored on an annual basis if the percent of valves leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.

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

J. The percent of valves leaking used in Paragraph I shall be determined using the following formula:

$$(V_l + V_s) \times 100/V_t = V_p$$

Where:

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

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

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

V_p = the percentage of leaking valves for the monitoring period.

K. 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.

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, or an applicable National Emission Standard for Hazardous Air Pollutants and does not constitute approval of alternative standards for these regulations.

M. Pumps located in the 100-series tank area shall be canned and have no emissions.

Piping, Valves, Pumps and Compressors in Crude Oil Service (including condensate) and in Petroleum Product Service

14. The following requirements shall be performed for piping, valves, pumps, and compressors in petroleum product service associated with storage tanks S-201 through S-207 and H_2S leaks within the operating area of fugitive components and marine loading in Crude Oil Service (including condensate) associated with tanks S-400M1, S-400M2, S-400M3, S-400M4, S-200M1, S-200M2, S-200M3, S-200M4, S-200M5, S-200M6, S-200M7, S-200M8, S-200M9, S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, S-100M9. **(09/24)**

A. Audio, olfactory, and visual checks for petroleum product leaks within the operating area shall be made once per 24-hour period.

B. Every reasonable effort shall be made to repair or replace a leaking component within 5 days after a leak is found. If the repair or replacement of a leaking component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired or replaced until a scheduled shutdown shall be

identified in a list to be made available to representatives of the TCEQ and of any local programs having jurisdiction, upon request.

C. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ and of any local programs having jurisdiction, upon request.

Planned Maintenance, Startup and Shutdown

15. Planned Maintenance, Startup and Shutdown (MSS) special conditions apply to EPNs: MSS-100-Controlled, MSS-100-ATM, MSS-NB-Controlled, MSS-NB-ATM, (FINs: S-200M4, S-200M5 and S-200M6, S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, and S-100M9), F-400, F-100 and F-200. **(09/24)**

16. 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 such that the response factor (RF) of the VOC (or mixture of VOCs) to be monitored shall be less than 2.0. The calibration gas and the gas to be measured, and its approximate (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:

VOC Concentration = Concentration as read from the instrument*RF

In no case should a calibration gas be used such that the RF of the VOC (or mixture of VOCs) to be monitored is greater than 5.0.

(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, recording VOC concentration each minute. As an alternative the VOC concentration may be monitored over a five-minute period with an instrument designed to continuously measure concentration and record the highest concentration read. The highest measured VOC concentration shall be recorded and shall not exceed the specified VOC concentration limit prior to uncontrolled venting.

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 as defined in (3) is less than 80 percent of the range of the tube and 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.

17. This permit authorizes emissions from storage tanks (EPNs: S-200M4, S-200M5, S-200M6, S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, and S-100M9) during planned floating roof landings. Tank roof landings include all operations when the tank floating roof is on its supporting legs. These emissions are subject to the maximum allowable emission rates indicated on the MAERT. The following requirements apply to tank roof landings. **(09/24)**

A. At all times that the roof is resting on its leg supports, the tank emissions shall be controlled by a closed vent system and control devices meeting the following specifications:

(1) The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in part 60, subpart VV, § 60. 485(b).

(2) 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 no other gas/vapor flow out of the vapor space under the floating roof when the vapor space is directed to the control device. The vapor recovery system collection rate shall be no less than 100 cubic feet per minute when the tank is idle or he tank is being drained, and two times the fill rate when the tank is being refilled.

(3) Portable and temporary control devices are authorized provided they (a) do not remain on the plant site for more than 12 consecutive months, (b) are used solely to support planned MSS activities at the permanent site facilities (EPNs: MSS-100-Controlled, and MSS-NB-Controlled (FINs: S-200M4, S-200M5 and S-200M6, S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, and S-100M9), and (c) does not operate as a replacement for an existing authorized control device. The portable and temporary control devices shall be operated as required by Special Condition 20. **(09/24)**

The roof shall be landed on its low legs unless entry or inspection is planned. The requirements of this paragraph do not apply to uncontrolled degassing and/or ventilation conducted pursuant to paragraph B-E of this special condition.

B. After the tank has been completely emptied, the tank shall not be opened except as necessary to set up for degassing and cleaning. 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 percent 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.

(3) A volume of purge gas equivalent to twice the volume of the vapor space under the floating roof must have passed through the control device or into a 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. The VOC sampling and analysis shall be performed as specified in Special Condition 16.

(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 (a) or (b) below until one of the criteria in part D of this condition is satisfied.

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.

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 remaining in the tank has a VOC partial pressure less than 0.02 psia. These criteria shall 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. This liquid shall be added during tank degassing if practicable. 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 is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:

(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 16.

(3) No standing liquid verified through visual inspection.

The permit holder shall maintain records to document the method used to release the tank.

E. 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, time, and other information specified for each of the following events:

(a) the roof was initially landed,

(b) all liquid was pumped from the tank to the extent practical,

(c) start and completion of controlled degassing, and total volumetric flow,

(d) all standing liquid was removed from the tank or any transfers of low VOC partial pressure liquid to or from the tank including volumes and vapor pressures to reduce tank liquid VOC partial pressure to <0.02 psi,

(e) if there is liquid in the tank, VOC partial pressure of liquid, start and completion of uncontrolled degassing, and total volumetric flow,

(f) refilling commenced, liquid filling the tank, and the volume necessary to float the roof; and

(g) 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 g 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.

F. The 100-series floating roof storage tanks (EPN: S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8, and S-100M9) have the flexibility to perform up to three roof landings simultaneously. The requirements of Special Condition No. 17 still apply to the 100-series storage tanks during these events. **(09/24)**

18. The following requirements apply to vacuum and air mover truck operations to support planned MSS at this site:

A. Prior to initial use, identify any liquid in the truck. Record the liquid level and document the VOC partial pressure. After each liquid transfer, identify the liquid, the volume transferred, and its VOC partial pressure.

B. If vacuum pumps or blowers are operated when liquid is in or being transferred to the truck, the following requirements apply:

(1) If the VOC partial pressure of the liquid in or being transferred to the truck is greater than 0.50 psi at 95°F, the vacuum/blower exhaust shall be routed to a control device or a controlled recovery system.

(2) Equip fill line intake with a “duckbill” or equivalent attachment if the hose end cannot be submerged in the liquid being collected.

(3) A daily record containing the information identified below is required for each vacuum truck in operation at the site each day.

(a) 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.

(b) 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 16.A or B.

C. Record the volume in the vacuum truck at the end of the day, or the volume unloaded, as applicable.

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 psi, 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.

19. The following requirements apply to frac, or temporary, tanks and vessels used in support of MSS activities.

A. 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, sampled, gauged, or when removing material.

B. These tanks/vessels must be covered and equipped with fill pipes that discharge within 6 inches of the tank/vessel bottom.

C. These requirements do not apply to vessels storing less than 450 gallons of liquid that are closed such that the vessel does not vent to atmosphere except when filling, sampling, gauging, or when removing material.

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. This record must be updated by the last day of the month following. 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 psi at 95°F, records may be limited to the days the tank is in service and the liquid stored. Emissions may be estimated based upon the potential to emit as identified in the permit application.

20. Portable control devices required by this permit for emissions from planned MSS activities are limited to those types identified in this condition. The portable 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 process or to a collection system that is vented through a control device meeting the requirements of this permit condition.

A. Vapor Combustor – Thermal Oxidizer

(1) The portable control devices shall achieve 99% control of the VOC in the waste gas directed to them. This shall be ensured by maintaining the temperature in, or immediately downstream of, the combustion chamber above 1100^{o}F, except during periods of startup and shutdown. Waste gas flows shall be limited to assure at least a 0.5 second residence time in the fire box/combustion chamber while waste gas is being fed into the control device.

(2) The portable control devices exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the devices. The temperature measurements shall be made at intervals of six minutes or less and recorded at the frequency.

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 ±2.5ºC.

(3) Fuel for the portable control devices shall be propane or natural gas.

Compliance Assurance Monitoring

21. The following requirements apply to capture systems for VCU-2, VCU-3, VCU-4, and VCU-5.

A. If used to control pollutants other than particulate, either:

(1) 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

(2) Once a year, verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.

B. The control device shall not have a bypass.

C. The date and results of each inspection performed shall be recorded. If the results of any inspection are not satisfactory, the deficiencies shall be recorded and the permit holder shall promptly take necessary corrective action, recording each action with the date completed.

Recordkeeping

22. Records required to demonstrate compliance with the MAERT and all other records required by the conditions of this permit are to be maintained electronically or in hard copy format for at least five years at the site and made available to representatives of the TCEQ or any local air pollution control program having jurisdiction. The five-year record keeping requirement shall not apply to records generated before April 10, 2010.

Date: September 23, 2024

Emission Sources - Maximum Allowable Emission Rates

Permit Number 32769 and PSDTX1258M4

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)
S-100M1	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-100M2	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-100M3	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-100M4	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-100M5	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-100M6	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-100M7	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-100M8	Crude Oil/ Condensate Storage Tank	VOC	9.71	—
		H_2S	0.03	—
S-100M9	Crude Oil/ Condensate Storage Tank	VOC	9.74	—
		H_2S	0.03	—
S-200M1	Storage Tank S-200M1	VOC	27.92	—
		H_2S	0.08	—
S-200M2	Storage Tank S-200M2	VOC	27.92	—
		H_2S	0.08	—
S-200M3	Storage Tank S-200M3	VOC	27.92	—
		H_2S	0.08	—
S-200M4	Storage Tank S-200M4	VOC	26.37	—
		H_2S	0.07	—
S-200M5	Storage Tank S-200M5	VOC	26.37	—
		H_2S	0.07	—
S-200M6	Storage Tank S-200M6	VOC	26.37	—
		H_2S	0.07	—

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
S-200M7	Storage Tank S-200M7	VOC	25.02	—
		H_2S	0.07	—
S-200M8	Storage Tank S-200M8	VOC	25.02	—
		H_2S	0.07	—
S-200M9	Storage Tank S-200M9	VOC	25.02	—
		H_2S	0.07	—
S-400M1	Storage Tank S-400M1	VOC	21.02	—
		H_2S	0.06	—
S-400M2	Storage Tank S-400M2	VOC	21.02	—
		H_2S	0.06	—
S-400M3	Storage Tank S-400M3	VOC	21.02	—
		H_2S	0.06	—
S-400M4	Storage Tank S-400M4	VOC	21.02	—
		H_2S	0.06	—
TankCap	TankCap	VOC	--	123.45
		H_2S	--	0.17
S-201	Storage Tank 201	VOC	1.95	—
S-202	Storage Tank 202	VOC	1.82	—
S-203	Storage Tank 203	VOC	1.00	—
S-204	Storage Tank 204	VOC	2.08	—
S-205	Storage Tank 205	VOC	0.95	—
S-206	Storage Tank 206	VOC	2.18	—
S-207	Storage Tank 207	VOC	2.02	—
TankCap200	Storage Tanks S-201 through S-207 annual emission CAP	VOC	---	8.58
F-1 F-2	Fugitive Components (5)	VOC	2.77	12.12
		H_2S	0.02	0.03
F-15	Fugitive Components (5)	VOC	0.61	2.65
		H_2S	<0.01	<0.01
F-16	Fugitive Components (5)	VOC	0.61	2.65
		H_2S	<0.01	<0.01
F-100	Fugitive Components (5)	VOC	0.84	3.69
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
F-400	Fugitive Components (5)	VOC	0.19	0.83
		H_2S	<0.01	<0.01
F-200	Fugitive Components (5)	VOC	0.11	0.49
		H_2S	<0.01	<0.01
B-1	Oil Dock 1	VOC	31.59	20.18
		H_2S	0.09	0.03
B-15	NuStar Dock 15	VOC	31.59	20.18
		H_2S	0.09	0.03
B-16	NuStar Dock 16	VOC	31.59	20.18
		H_2S	0.09	0.03
Dock Cap	B-1, B-15, B-16 Combined Annual Emission Cap (7)	VOC	—	20.18
		H_2S	—	0.03
B-2A (6)	Oil Dock 2 (Refined Products)	VOC	35.69	6.45
VCU-2	VCU-2 (Refined products from Oil Dock 2 Loading Arm B-2A) (8)	VOC	35.33	5.01
		NO_x	9.75	1.60
		CO	19.47	3.19
		PM	0.53	0.09
		$PM_{2.5}$	0.53	0.09
		PM_{10}	0.53	0.09
VCU-2	VCU-2 (Oil Dock 2-Crude/Condensate from Oil Dock 2 Loading Arm B-2B) (8)	VOC	31.59	39.21
		NO_x	4.08	8.59
		CO	17.41	36.62
		SO_2	16.65	10.27
		PM	0.47	0.99
		$PM_{2.5}$	0.47	0.99
		PM_{10}	0.47	0.99
		H_2S	0.09	0.05
VCU-3	Vapor Combustor No. 3 (8)	VOC	15.78	78.39
		NO_x	10.61	44.84
		CO	33.72	142.48
		SO_2	16.63	37.83
		PM	0.91	3.85
		$PM_{2.5}$	0.91	3.85
		PM_{10}	0.91	3.85

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		H_2S	0.04	0.10
VCU-4	Vapor Combustor No. 4 (8)	VOC	15.78	78.39
		NO_x	10.61	44.84
		CO	33.72	142.48
		SO_2	16.63	37.83
		PM	0.91	3.85
		$PM_{2.5}$	0.91	3.85
		PM_{10}	0.91	3.85
		H_2S	0.04	0.10
VCU-5	Vapor Combustor No. 5 (8)	VOC	15.78	78.39
		NO_x	10.61	44.84
		CO	33.72	142.48
		SO_2	16.63	37.83
		PM	0.91	3.85
		$PM_{2.5}$	0.91	3.85
		PM_{10}	0.91	3.85
		H_2S	0.04	0.10
VCU Cap	VCU-2, 3, 4, 5, Combined Annual Cap (8)	VOC	—	83.41
		NO_x	—	44.84
		CO	—	145.67
		SO_2	—	37.83
		PM	—	3.94
		$PM_{2.5}$	—	3.94
		PM_{10}	—	3.94
		H_2S	—	0.10
MSS-NB-Controlled	Controlled Tank Roof MSS Emissions (North Beach) (9)	VOC	31.90	0.32
		NO_x	2.76	0.55
		CO	5.51	1.10
		SO_2	0.34	0.07
		PM	0.15	0.03
		$PM_{2.5}$	0.15	0.03
		PM_{10}	0.15	0.03
		H_2S	<0.01	0.01
MSS-NB-ATM		VOC	48.87	0.39

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
	MSS Emissions (North Beach) to atmosphere	H_2S	0.14	<0.01
T1334	Storage Tank 1334	VOC	3.23	2.67
MSS-100-Controlled	Controlled Storage Tank Maintenance, Startup and Shutdown- Temporary VCU (100 Series) (10)	VOC	65.98	0.28
		SO_2	1.02	0.07
		NO_x	8.28	0.55
		CO	16.53	1.10
		PM	0.45	0.03
		PM_{10}	0.45	0.03
		$PM_{2.5}$	0.45	0.03
		H_2S	0.18	<0.01
MSS-100-ATM	MSS emissions (100 Series) to atmosphere	VOC	61.21	0.31
		H_2S	0.17	<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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Maximum hourly emissions are limited to the maximum hourly emissions authorized for each loading arm (B-2A and B-2B) for EPN VCU-3.
(7) Cap applies to total emissions for the following EPNs: B-1, B-15 and B-16.
(8) Cap applies to total emissions for the following EPNs: VCU-2, 3, 4, and 5.EPN VCU 2 includes Refined products from Oil Dock 2 Loading Arm B-2A and Oil Dock 2-Crude/Condensate from Oil Dock 2 Loading Arm B-2B.
(9) Applies to FINs: S-200M4, S-200M5 and S-200M6. Total emissions include the products of combustion of controlled MSS activities plus pilot/assist gas emissions; tank MSS will not occur simultaneously for more than one tank.
(10) Applies to FINs: S-100M1, S-100M2, S-100M3, S-100M4, S-100M5, S-100M6, S-100M7, S-100M8 and S-100M9. Total emissions include the products of combustion of controlled MSS activities. Tank MSS may occur simultaneously for up to three 100 Series tanks.

Date: September 23, 2024