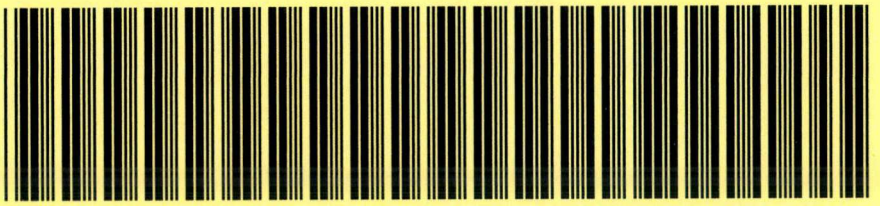


Document Control Sheet

Sheet Title:	AIR OP - OLS
Box ID:	25081
Control Sheet ID:	0000-0000-0056-9662
Record Series Name:	AIR / Federal Operating Permit
Record Series:	AIR OP
Primary ID:	1610
Secondary ID:	31926
Doc Type:	Permits
Security:	Public
Date:	1/4/2022 12:00AM
Title:	Public Notices & Comments
Tertiary ID	

Air OP_01610_31926_PA_20220104_Public Notices & Comments

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Eco Services Operations Corp.

AUTHORIZING THE OPERATION OF
Baytown Plant
All Other Basic Inorganic Chemical Manufacturing

LOCATED AT
Harris County, Texas
Latitude 29° 44′ 51″ Longitude 95° 0′ 7″
Regulated Entity Number: RN100211317

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: O1610 Issuance Date: _____

_____
For the Commission

Table of Contents

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 ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

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

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

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

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

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

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

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

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

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. 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. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

C. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

D. 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)

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

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

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

A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)

5. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter F, Division 3, Degassing of Storage Tanks, Transport Vessels and Marine Vessels:

A. For degassing of stationary VOC storage tanks, the permit holder shall comply with the following requirements:

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

(ii) Title 30 TAC § 115.541(f) (relating to Emission Specifications), for floating roof storage tanks

(iii) Title 30 TAC § 115.542(a) and (a)(1), (a)(2), (a)(3) or (a)(4) (relating to Control Requirements). Where the requirements of 30 TAC Chapter 115, Subchapter F contain multiple compliance options, the permit holder shall keep records of when each compliance option was used.

(iv) Title 30 TAC § 115.542(b) - (d), (relating to Control Requirements)

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

(vi) Title 30 TAC § 115.544(a)(1) and (a)(2) (relating to Inspection, Monitoring, and Testing Requirements), for inspections

(vii) Title 30 TAC § 115.544(b) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring

(viii) Title 30 TAC § 115.544(b)(1) and (b)(2) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring of control devices

(ix) Title 30 TAC § 115.544(b)(2)(A) - (J) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring (as appropriate to the control device)

(x) Title 30 TAC § 115.544(b)(3), (b)(4) and (b)(6) (relating to Inspection, Monitoring, and Testing Requirements), for VOC concentration or lower explosive limit threshold monitoring

(xi) Title 30 TAC § 115.544(c), and (c)(1) - (c)(3) (relating to Inspection, Monitoring, and Testing Requirements), for testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xii) Title 30 TAC § 115.545(1) - (7), (9) - (11) and (13) (relating to Approved Test Methods)

(xiii) Title 30 TAC § 115.546(a), (a)(1) and (a)(3) (relating to Recordkeeping and Notification Requirements), for recordkeeping

(xiv) Title 30 TAC § 115.546(a)(2) and (a)(2)(A) - (J) (relating to Recordkeeping and Notification Requirements), for recordkeeping (as appropriate to the control device)

(xv) Title 30 TAC § 115.546(a)(4) (relating to Recordkeeping and Notification Requirements), for recordkeeping of testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xvi) Title 30 TAC § 115.546(b) (relating to Recordkeeping and Notification Requirements), for notification

(xvii) Title 30 TAC § 115.547(4) (relating to Exemptions)

B. For the degassing of all transport vessels with a nominal capacity of 8,000 gallons or more, the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 115.541(a) - (c) and (d) (relating to Emission Specifications)

(ii) Title 30 TAC § 115.542(a) and (a)(1), (a)(2), (a)(3) or (a)(4) (relating to Control Requirements). Where the requirements of 30 TAC Chapter 115, Subchapter F contain multiple compliance options, the permit holder shall keep records of when each compliance option was used.

(iii) Title 30 TAC § 115.542(b), (c) and (e) (relating to Control Requirements)

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

(v) Title 30 TAC § 115.544(a)(1) and (a)(2) (relating to Inspection, Monitoring, and Testing Requirements), for inspections

(vi) Title 30 TAC § 115.544(b) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring

(vii) Title 30 TAC § 115.544(b)(1) and (b)(2) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring of control devices

(viii) Title 30 TAC § 115.544(b)(2)(A) - (J) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring (as appropriate to the control device)

(ix) Title 30 TAC § 115.544(b)(3), (b)(4) and (b)(6) (relating to Inspection, Monitoring, and Testing Requirements), for VOC concentration or lower explosive limit threshold monitoring

(x) Title 30 TAC § 115.544(c), and (c)(1) - (c)(3) (relating to Inspection, Monitoring, and Testing Requirements), for testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xi) Title 30 TAC § 115.545(1) - (11) and (13) (relating to Approved Test Methods)

(xii) Title 30 TAC § 115.546(a), (a)(1) and (a)(3) (relating to Recordkeeping and Notification Requirements), for recordkeeping

(xiii) Title 30 TAC § 115.546(a)(2) and (a)(2)(A) - (J) (relating to Recordkeeping and Notification Requirements), for recordkeeping (as appropriate to the control device)

(xiv) Title 30 TAC § 115.546(a)(4) (relating to Recordkeeping and Notification Requirements), for recordkeeping of testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xv) Title 30 TAC § 115.546(b) (relating to Recordkeeping and Notification Requirements), for notification

6. The permit holder shall comply with the requirements of 30 TAC § 115.722(b) (relating to Site-wide Cap and Control Requirements) and the requirements of 30 TAC § 115.726(g) (relating to Recordkeeping and Reporting Requirements).

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

8. The permit holder shall comply with the 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.

9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11111(j), for dispensing from fixed tank into portable tank for on-site delivery

D. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

E. Title 40 CFR § 63.11115(a), for operation of the source

F. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

G. Title 40 CFR § 63.11116(b), for records availability

H. Title 40 CFR § 63.11116(d), for portable gasoline containers

10. 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

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

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

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

C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "CAM Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

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

E. The permit holder shall comply with either of the following requirements for any capture system associated with the VOC control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions:

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

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

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

12. 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

13. 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 permits by rule identified in the PBR Supplemental Tables in the application), 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

14. 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.

15. 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

16. 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.

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

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

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

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

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

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

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

    A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) Offsets for Title 30 TAC Chapter 116

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

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

        (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1

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

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

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

19. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

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

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

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

Risk Management Plan

20. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

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

    A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

22. 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)

23. 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
BARGE-DOCK	LOADING/UNLOADING OPERATIONS	N/A	R5211-0001	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure less than 0.5 psia.
BARGE-DOCK	LOADING/UNLOADING OPERATIONS	N/A	R5211-0002	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Daily Throughput = Loading less than 20,000 gallons per day.
ENG1	SRIC ENGINES	N/A	R7ICI-0002	30 TAC Chapter 117, Subchapter B	No changing attributes.
ENG1	SRIC ENGINES	N/A	60IIII-0001	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG1	SRIC ENGINES	N/A	63ZZZZ-0001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPACIDTNK	STORAGE TANKS/VESSELS	T-5, T-6, T-7, T-8	R5112-0001	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
PKGBOILSTK	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7ICI-0001	30 TAC Chapter 117, Subchapter B	No changing attributes.
PKGBOILSTK	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-001	40 CFR Part 60, Subpart Dc	No changing attributes.
PREHTRSTK	PROCESS HEATERS/FURNACES	N/A	R7ICI-0001	30 TAC Chapter 117, Subchapter B	No changing attributes.
PRO-REGEN	SULFURIC ACID PRODUCTION	N/A	REG2-002	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
PRO-REGEN	SULFURIC ACID PRODUCTION	N/A	60H-001	40 CFR Part 60, Subpart H	No changing attributes.
T-18	STORAGE TANKS/VESSELS	N/A	R5112-0002	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Direct-flame incinerator

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
T-18	STORAGE TANKS/VESSELS	N/A	R5112-0003	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other vapor destruction unit
T-18	STORAGE TANKS/VESSELS	N/A	R5112-0006	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Carbon adsorber (non-regenerative).
T-18	STORAGE TANKS/VESSELS	N/A	60Kb-001	40 CFR Part 60, Subpart Kb	No changing attributes.
T-18	STORAGE TANKS/VESSELS	N/A	60Kb-002	40 CFR Part 60, Subpart Kb	No changing attributes.
T-18	STORAGE TANKS/VESSELS	N/A	60Kb-003	40 CFR Part 60, Subpart Kb	No changing attributes.
T-19	STORAGE TANKS/VESSELS	N/A	R5112-0002	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Direct-flame incinerator
T-19	STORAGE TANKS/VESSELS	N/A	R5112-0003	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other vapor destruction unit
T-19	STORAGE TANKS/VESSELS	N/A	R5112-0006	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Carbon adsorber (non-regenerative).
T-19	STORAGE TANKS/VESSELS	N/A	60Kb-001	40 CFR Part 60, Subpart Kb	No changing attributes.
T-19	STORAGE TANKS/VESSELS	N/A	60Kb-002	40 CFR Part 60, Subpart Kb	No changing attributes.
T-19	STORAGE TANKS/VESSELS	N/A	60Kb-003	40 CFR Part 60, Subpart Kb	No changing attributes.
WELDING	SRIC ENGINES	N/A	R7ICI-0003	30 TAC Chapter 117, Subchapter B	No changing attributes.
WELDING	SRIC ENGINES	N/A	60IIII-0002	40 CFR Part 60, Subpart IIII	No changing attributes.
WELDING	SRIC ENGINES	N/A	63ZZZZ-0002	40 CFR Part 63, Subpart ZZZZ	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)
BARGE-DOCK	EU	R5211-0001	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
BARGE-DOCK	EU	R5211-0002	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
ENG1	EU	R7ICI-0002	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B)	CO emissions must not exceed 3.0 g/hp-hr for stationary internal combustion engines.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(C) § 117.340(h) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(10) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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)
							117.8140(a)(2)(B) § 117.8140(b)		
ENG1	EU	R7ICI-0002	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(9)(E)(vi)(III) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) [G]§ 117.310(f) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(C) § 117.340(h) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(10) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.345(f)(3)(B) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
ENG1	EU	60IIII-0001	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.101 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.			
ENG1	EU	60IIII-0001	NO_X	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.101 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2014 model year and later must comply with a NOx emission limit of 0.40 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG1	EU	60IIII-0001	Nonmethane Hydrocarbons	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.101 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2014 model year and later must comply with an NMHC emission limit of 0.19 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG1	EU	60IIII-0001	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.101 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with a PM emission limit of 0.02 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG1	EU	63ZZZZ-0001	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRPACIDTNK	EU	R5112-0001	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(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	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						division.			
PKGBOILSTK	EU	R7ICI-0001	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
PKGBOILSTK	EU	R7ICI-0001	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(C) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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)
PKGBOILSTK	EU	60Dc-001	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
PKGBOILSTK	EU	60Dc-001	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
PKGBOILSTK	EU	60Dc-001	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
PREHTRSTK	EU	R7ICI-0001	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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)
PREHTRST K	EU	R7ICI-0001	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
PRO-REGEN	EU	REG2-002	H_2SO_4	30 TAC Chapter 112, Sulfur Compounds	§ 112.41(b) § 112.41(b)(1)	Sulfuric acid or oleum facilities may not permit emissions of H2SO4 mist to exceed 0.50 lb/ton (0.25 gram/kg) of 100% H2SO4 produced when burning specified compounds by the contact process.	§ 112.43(b) § 112.43(c) [G]§ 112.43(c)(1) [G]§ 112.43(c)(2) § 112.45(a)	[G]§ 112.45(b)	None
PRO-REGEN	EU	REG2-002	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.6(a)	Except as provided in §112.5 and in §112.14 no person may cause, suffer, allow, or permit emissions of SO2 from any sulfuric acid plant to exceed the emission limits set by the specified equation.	§ 112.2(a) § 112.6(c)	§ 112.2(c)	§ 112.2(b)
PRO-REGEN	PRO	60H-001	H_2SO_4	40 CFR Part 60, Subpart H	§ 60.83(a)(1)	No owner or operator shall discharge any gases	§ 60.85(a) § 60.85(b)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						containing acid mist, expressed as H2SO4, in excess of 0.075 kg per metric ton (0.15 lb per ton) of acid produced, the production being expressed as 100% H2SO4.	§ 60.85(b)(2) § 60.85(b)(3)		
PRO-REGEN	PRO	60H-001	PM (Opacity)	40 CFR Part 60, Subpart H	§ 60.83(a)(2)	No owner or operator shall discharge any gases exhibiting 10% opacity, or greater.	§ 60.85(a) § 60.85(b)(4)	None	None
PRO-REGEN	PRO	60H-001	SO_2	40 CFR Part 60, Subpart H	§ 60.82(a)	On and after the §60.8 performance test, no owner or operator shall discharge gases containing SO2 in excess of 2 kg per metric ton (4.0 lb per ton) of acid produced into the atmosphere.	§ 60.84(a) § 60.84(b) § 60.84(c) § 60.84(e) § 60.85(a) § 60.85(b)(1) § 60.85(b)(2) § 60.85(b)(3) ** See CAM Summary	None	§ 60.84(e)
T-18	EU	R5112-0002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) § 115.112(e)(3)(A)(ii)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(1) § 115.116(a)(1) [G]§ 115.117 ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(A) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T-18	EU	R5112-0003	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) § 115.112(e)(3)(A)(ii)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
T-18	EU	R5112-0006	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) § 115.112(e)(3)(A)(ii)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(B) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(ii) § 115.118(a)(5) § 115.118(a)(7)	None
T-18	EU	60Kb-001	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

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)
						meet the specifications of §60.112b(a)(3)(i)-(ii).	§ 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See CAM Summary		
T-18	EU	60Kb-002	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
T-18	EU	60Kb-003	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
T-19	EU	R5112-0002	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) § 115.112(e)(3)(A)(ii)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control	§ 115.115(a) § 115.115(a)(1) § 115.116(a)(1) [G]§ 115.117 ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(A) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.			
T-19	EU	R5112-0003	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) § 115.112(e)(3)(A)(ii)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
T-19	EU	R5112-0006	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) § 115.112(e)(3)(A)(ii)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(B) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(ii) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of subsection (a)(1) of this paragraph for crude oil and condensate.			
T-19	EU	60Kb-001	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See CAM Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
T-19	EU	60Kb-002	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
T-19	EU	60Kb-003	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
WELDING	EU	R7ICI-0003	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B)	CO emissions must not exceed 3.0 g/hp-hr for	[G]§ 117.335(a)(1) § 117.335(a)(4)	§ 117.345(a) § 117.345(f)	§ 117.335(b) § 117.335(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						stationary internal combustion engines.	§ 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(C) § 117.340(h) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)	[G]§ 117.345(f)(10) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.345(f)(9)	[G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
WELDING	EU	R7ICI-0003	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(9)(E)(iv)(II) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) [G]§ 117.310(f) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a)(2)(C) § 117.340(h) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(10) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.345(f)(3)(B) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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)
						comply with § 117.320.	§ 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)		
WELDING	EU	60IIII-0002	NO_x	40 CFR Part 60, Subpart IIII	§ 60.4204(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a NOx emission limit of 9.2 g/KW-hr, as listed in Table 1 to this subpart.	None	§ 60.4211(b)(3)	None
WELDING	EU	63ZZZZ-0002	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: PRO-REGEN	
Control Device ID No.: AMMONIA SCRUBB	Control Device Type: Sulfur dioxide scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart H	SOP Index No.: 60H-001
Pollutant: SO_2	Main Standard: § 60.82(a)
Monitoring Information	
Indicator: pH	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum pH is 4.5	
CAM Text: Each monitoring device shall be cleaned with an automatic cleaning system, or cleaned weekly using hydraulic, chemical, or mechanical cleaning. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least weekly, whichever is more frequent, and shall be accurate to within ± 0.5 pH unit.	

CAM Summary

Unit/Group/Process Information	
ID No.: PRO-REGEN	
Control Device ID No.: AMMONIA SCRUBB	Control Device Type: Sulfur dioxide scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart H	SOP Index No.: 60H-001
Pollutant: SO_2	Main Standard: § 60.82(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum liquid flow rate is 650 gallons per minute	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-0002
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Temperature = 1500 °F	
CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.75% of the temperature being measured expressed in degrees Celsius; or ± 2.5 degrees Celsius.	

CAM Summary

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-001
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Temperature = 1500 °F	
CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.75% of the temperature being measured expressed in degrees Celsius; or ± 2.5 degrees Celsius.	

CAM Summary

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-0002
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Temperature = 1500 °F	
CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.75% of the temperature being measured expressed in degrees Celsius; or ± 2.5 degrees Celsius.	

CAM Summary

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-001
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Minimum Temperature = 1500 °F	
CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.75% of the temperature being measured expressed in degrees Celsius; or ± 2.5 degrees Celsius.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PKGBOILSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-0001
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: Fuel flow rate and hours of operation	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: A fuel flow that exceeds a calculated heat input of 35 MMBtu/hr shall be considered and reported as a deviation.	
Periodic Monitoring Text: Measure and record the fuel flow rate when the boiler is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. The fuel flow rate shall be used in conjunction with the permitted NSR CO emission factor to demonstrate compliance with the NSR MAERT limitations, which corresponds to a CO concentration less than 30 TAC Chapter 117 CO emission limitation of 400 ppmv.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PREHTRSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-0001
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: Fuel flow rate and hours of operation	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: A fuel flow that exceeds a calculated heat input of 30 MMBtu/hr shall be considered and reported as a deviation.	
Periodic Monitoring Text: Measure and record the fuel flow rate when the preheater is in operation. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. The fuel flow rate shall be used in conjunction with the permitted NSR CO emission factor to demonstrate compliance with the NSR MAERT limitations, which corresponds to a CO concentration less than 30 TAC Chapter 117 CO emission limitation of 400 ppmv.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: SCRUB-VCU	Control Device Type: Vapor combustor
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-002
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Minimum Temperature = 1400 °F	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: SCRUB-CAS	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-003
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Carbon Replacement Interval	
Minimum Frequency: At each replacement of carbon canister	
Averaging Period: N/A	
Deviation Limit: Any period which exceeds the maximum carbon replacement interval. The records of the maximum carbon replacement interval shall be maintained.	
Periodic Monitoring Text: Monitor and record the replacement time interval of the carbon canister(s), as determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system. Any data, collected for a period which exceeds the maximum carbon replacement interval shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: SCRUB-VCU	Control Device Type: Vapor combustor
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-002
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Minimum Temperature = 1400 °F	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: SCRUB-CAS	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-003
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Carbon Replacement Interval	
Minimum Frequency: At each replacement of carbon canister	
Averaging Period: N/A	
Deviation Limit: Any period which exceeds the maximum carbon replacement interval. The records of the maximum carbon replacement interval shall be maintained.	
Periodic Monitoring Text: Monitor and record the replacement time interval of the carbon canister(s), as determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system. Any data, collected for a period which exceeds the maximum carbon replacement interval shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BTCT	N/A	40 CFR Part 63, Subpart Q	Cooling tower has not operated with chromium based chemicals on or after 09/18/1994.
DOCKVC	N/A	30 TAC Chapter 117, Subchapter B	Heat Capacity of vapor combustor is < 40 MMBtu/hr
GRPACIDTNK	T-5, T-6, T-7, T-8	40 CFR Part 60, Subpart K	Tanks were constructed prior to June 11, 1973.
PREHTRSTK	N/A	40 CFR Part 63, Subpart DDDDD	Facility is an area source of HAPs.
PRO-REGEN	N/A	30 TAC Chapter 117, Subchapter B	The furnace is exempt on the basis of being a sulfuric acid regeneration unit.

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.: PSDTX695M3	Issuance Date: 08/14/2020
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.: 9565	Issuance Date: 08/14/2020
Authorization No.: 56534	Issuance Date: 12/22/2016
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 7	Version No./Date: 09/12/1989
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 03/14/1997
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.478	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

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**
BARGE-DOCK	SPENT ACID LOADING	56534
BTCT	COOLING TOWER	106.371/03/14/1997
DOCKVC	DOCK VAPOR COMBUSTOR	56534
ENG1	AIR COMPRESSOR ENGINE	106.512/06/13/2001
PKGBOILSTK	PACKAGE BOILER	106.183/09/04/2000
PREHTRSTK	PREHEATER	106.183/09/04/2000
PRO-REGEN	REGEN PROCESS UNIT	9565, PSDTX695M3
T-18	SPENT ACID TANK 18	106.261/11/01/2003, 106.262/11/01/2003 [155134]
T-19	SPENT ACID TANK 19	106.261/11/01/2003, 106.262/11/01/2003 [155134]
T-5	SPENT ACID STORAGE TANK	56534
T-6	SPENT ACID STORAGE	56534
T-7	SPENT ACID STORAGE TANK	56534
T-8	SPENT ACID STORAGE TANK	56534
WELDING	WELDING ENGINE	106.227/09/04/2000

**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: 9565 and PSDTX695M3					Issuance Date: 08/14/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
EMSCRUBSTK	Spent Acid Scrubber - Scrubber Liquor Storage Tanks, AML Truck and Railcar Loading	SO_2	<0.01	<0.01	2, 15, 16, 17, 19, 26	2, 6, 14, 17, 18, 21, 26	2, 26
		NH_3	0.01	<0.01			
AMLTLDGU	Uncaptured AML Truck Loading	SO_2	<0.01	<0.01	2, 15, 17	2, 6, 14, 17	2
		NH_3	<0.01	<0.01			
AMLRLDGU	Uncaptured AML Railcar Loading	SO_2	<0.01	<0.01	2, 15	2, 6, 14	2
		NH_3	<0.01	<0.01			
FUGAMLV	AMLV Fugitive Emissions	SO_2	<0.01	0.02	2	2, 6	2
		NH_3	<0.01	<0.01			
FUGAS	AS Fugitive Emissions	SO_2	0.01	0.05	2, 22, 23	2, 6, 22, 23	2
		NH_3	0.04	0.17			
		H_2SO_4	0.01	<0.01			

Major NSR Summary Table

Permit Numbers: 9565 and PSDTX695M3					Issuance Date: 08/14/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
FUGNH3	Ammonia Fugitive Emissions	NH_3	0.09	0.37	2, 23	2, 6, 23	2
FUGAAG	Amine Acid Gas Fugitive Emissions	H_2S	0.06	0.13	2, 23	2, 6, 23	2
		VOC	<0.01	<0.01			
FUGPROC	Process Fugitive Emissions	SO_2	0.07	0.13	2, 22	2, 6, 22	2
1	Ammonia (NH_3) Scrubber	SO_2 (6)	114.13	441.65	2, 3, 4, 5, 7, 9, 11, 13, 24, 25, 28	2, 3, 4, 5, 6, 7, 9, 11, 13, 24, 25, 28	2, 9, 11, 28
		VOC	0.01	0.01			
		NO_x	19.75	54.91			
		CO	5.50	24.09			
		PM	3.19	11.32			
		PM_{10}	3.19	11.32			
		$PM_{2.5}$	3.19	11.32			
		H_2SO_4 (6)	6.88	10.04			

Major NSR Summary Table

Permit Numbers: 9565 and PSDTX695M3					Issuance Date: 08/14/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		NH_3	0.40	1.70			
		Cl_2	0.01	0.02			
		HCl	0.06	0.26			
		Ag	0.03	0.12			
		As	0.13	0.52			
		Ba	0.03	0.12			
		Be	0.02	0.08			
		Cd	0.02	0.08			
		Cr	0.67	2.82			
		Hg	0.0018	0.0041			
		Ni	0.56	2.42			
		Pb	0.06	0.24			
		Sb	0.03	0.12			

Major NSR Summary Table

Permit Numbers: 9565 and PSDTX695M3					Issuance Date: 08/14/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Se	0.05	0.20			
		Tl	0.02	0.08			
RACKFUG	Rack Process Fugitives (5)	VOC	0.01	0.01	2, 23	2, 6, 23	2
		H_2S	0.01	0.01			
FUGRC	Railcar Piping and Components (5)	VOC	0.01	0.02	2, 23	2, 6, 23	2
		H_2SO_4 (6)	0.01	0.01			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
H_2SO_4 - sulfuric acid mist
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
NH_3 - ammonia
Ag - silver
As - arsenic
Ba - barium
Be - beryllium

Cd - cadmium
Cr - chromium
Cl_2 - chlorine
HCl - hydrogen chloride
Hg - mercury
Ni - nickel
Pb - lead
Sb - antimony
Se - selenium
Tl - thallium
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) Prevention of Significant Deterioration pollutant.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Eco Services Operations Corp.
Authorizing the Construction and Operation of
Sulfuric Acid Plant
Located at **Baytown, Harris County, Texas**
Latitude 29° 44' 51" Longitude -95° 0' 7"

Permits: 9565 and PSDTX695M3

Amendment Date: August 14, 2020

Expiration Date: August 8, 2023

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
µg/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
hp = horsepower
hr = hour 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 9565 and PSDTX695M3

Emission Standards

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating conditions specified in this permit.

2. These permitted facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency regulations in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), promulgated for the following: (PSD)

   A. Subparts A and Cd for Emission Guidelines and Compliance Times for Sulfuric Acid Production Units.

   B. Subparts A and H for Sulfuric Acid Plants.

   C. Alternative Monitoring Plan (AMP) for sulfur dioxide (SO_2) emissions.

3. The sulfuric acid (H_2SO_4) production rate is limited to 1,100 tons per day on a 12-month rolling average. The holder of this permit shall keep records of the daily H_2SO_4 production and the one-hour SO_2 emissions rates for each day of production. Records shall be made readily available to Texas Commission on Environmental Quality (TCEQ) personnel upon request, EPA personnel or any applicable local program with jurisdiction and may be used to determine compliance with the SO_2 emission limits specified in the maximum allowable emissions rates table (MAERT). (PSD)

4. The SO_2 emissions from the H_2SO_4 plant stack designated as Emission Point Number (EPN) 1 shall not exceed 2.49 pounds per ton of acid produced on an hourly basis. The SO_2 emissions from the H_2SO_4 plant stack designated as Emission Point No. EPN 1 shall not exceed 2.20 pounds per ton of acid produced on an annual basis. Production is expressed as 100 percent H_2SO_4. Records shall be updated once a week to demonstrate compliance with each production parameter. The SO_2 limits shall not be relaxed. (PSD) **(06/16)**

5. Sulfuric acid mist, expressed as H_2SO_4, shall not be discharged from the H_2SO_4 acid plant stack designated as EPN 1 in excess of 0.15 pounds per ton of acid produced on an hourly basis. Sulfuric acid mist, expressed as H_2SO_4, shall not be discharged from EPN 1 in excess of 0.10 pounds per ton of acid produced on an annual basis. Production is expressed as 100 percent H_2SO_4. Records shall be updated once a week to demonstrate compliance with each production parameter. The H_2SO_4 limits shall not be relaxed. (PSD) **(06/16)**

6. Any construction of new equipment that occurs for the use of adding a new chemical is not allowed through this special condition. New chemical(s) may be added through use of a permit by rule claim and/or registration under 30 TAC Chapter 106.

   A. Short-term (pounds per hour [lb/hr]) and annual (tons per year) emissions and calculations shall be completed for each chemical at each affected source; emission rates shall be calculated in accordance with the methods documented in the permit amendment application. The calculated emission rates shall not exceed the maximum allowable emission rate at any emission point.

   B. The Effect Screening Level (ESL) for the chemical shall be obtained from the current TCEQ ESL list or by written request to the TCEQ Toxicology Division.

C. The total emissions of any compound from all emission points in this permit must satisfy one of the following conditions:

(1) The total maximum emission rate from all sources is less than 0.04 lb/hr and the ESL greater than 2 $\mu g/m^3$;

$$(ER/ESL)N \leq (ER/ESL)E$$

(ER/ESL)N = plant wide maximum hourly emission rate based on maximum vapor pressure of new compound(s) divided by its ESL.

(ER/ESL)E = the highest ratio of any previously authorized compounds plant wide hourly emission rate based on maximum vapor pressure divided by its ESL (i.e., 0.261).

D. The permit holder shall maintain records of the information below and the demonstrations in steps A through C above. The following documentation is required for each compound:

(1) Chemical name(s), composition, and chemical abstract registry number if available.

(2) Molecular weight.

(3) Storage tanks, loading areas, and loading fugitive areas where the material is to be handled and the emission control device to be utilized.

(4) Date new compound handling commenced.

(5) Material Safety Data Sheet.

7. The H_2SO_4 furnace shall be operated with not less than 0.5 percent excess oxygen (O_2) and not more than 2400°Fahrenheit furnace exit temperature, averaged hourly. Above 1800°F, excess O_2 shall not exceed 3 percent, averaged hourly. The furnace outlet temperature and O_2 content shall be continuously monitored and recorded.

Initial Determination of Compliance

8. Sampling ports and platform(s) shall be incorporated into the design of EPN 1 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.

9. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the stack designated as EPN 1. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. (PSD)

A. Sampling shall be conducted in accordance with Title 40 Code of Federal Regulations (40 CFR) Part 60, Appendix A, Method 7, "Determination of Nitrogen Oxide (NO_x) Emissions from Stationary Sources" and Method 8, "Determination of SO_2 and H_2SO_4 Emissions from Stationary Sources" and Method 10, "Determination of Carbon Monoxide (CO) Emissions from Stationary Sources" and other applicable testing methods.

B. The appropriate TCEQ Regional Office in the region where the source is located and applicable local air program(s) shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

(1) Date for pretest meeting.

(2) Date sampling will occur.

(3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

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

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

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for New Source Performance Standard testing which must have EPA approval shall be submitted to the TCEQ Regional Office.

C. Air contaminants emitted from the H_2SO_4 acid plant stack designated as EPN 1 to be tested for include (but are not limited to) chlorine, CO, H_2SO_4, HCl, NO_x and SO_2, H_2SO_4 mist, antimony, arsenic, barium, beryllium, cadmium, chromium, lead, mercury, nickel, selenium, silver and thallium. These stack testing results shall be used to demonstrate compliance with Special Condition Nos. 1, 4, and 5.

D. Stack testing of EPN 1 shall be completed between 90 days and 180 days after permit amendment approval in 2009. Sampling shall occur at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires prior approval and requests shall be submitted to the TCEQ Regional Office.

E. The sulfuric acid plant shall be sampled while operating at the maximum possible safe production rate (as determined by the permit holder) for the H_2SO_4 production unit at the time of testing. The H_2SO_4 production rate shall be monitored and recorded during the stack test. If the normal production rate of H_2SO_4 from this facility exceeds by more than 10 percent the tons per day maintained during sampling, the company must notify, in writing, the appropriate TCEQ Regional Office and the source may be subject to additional sampling to demonstrate continued compliance.

F. Copies of the final sampling report shall be forwarded to the TCEQ and the EPA within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions 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 appropriate local air pollution control program.

One copy to the Air Enforcement Branch, the EPA, Region 6, Dallas.

Continuous Demonstration of Compliance

10. At no time shall the hourly average ammonia (NH_3) liquor feed rate into the H_2SO_4 plant exceed 65 gallons per minute (gpm).

11. The holder of this permit shall install, calibrate, maintain and operate a continuous monitor to measure and record the feed rate of NH_3 liquor into the H_2SO_4 plant. The monitoring data shall be reduced to hourly average flow rates at least once every day.

    Semiannual reports of all excessive feed rates and monitor downtime shall be submitted to the appropriate TCEQ Regional Office. These reports shall include the information described in 40 CFR § 60.7(c).

    All monitoring data, quality assurance data, excessive feed rate data and monitor downtime data shall be maintained by the source for a period of five years and shall be made readily available to the TCEQ or the EPA upon request.

12. At no time shall the hourly rolling average of hydrogen sulfide gas flow to the furnace exceed 150,000 standard cubic feet per hour.

13. The holder of this permit shall install, calibrate, maintain and operate a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of SO_2 from EPN 1. (PSD)

    A. The CEMS calibration shall be checked daily and the CEMS shall be zeroed and spanned using cylinder gas at least once a week and corrective action taken when the results differ by greater than ±5 percent from the tagged cylinder gas value.

    B. The monitoring data shall be reduced to one-hour average concentrations at least once every month using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emissions rates in pounds of SO_2 per hour at least once every month.

    C. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made readily available to TCEQ personnel, EPA personnel or any local program with jurisdiction upon request. The data from the CEMS may, at the discretion of the TCEQ, EPA personnel or any local program with jurisdiction, be used to determine compliance with the SO_2 emission limits specified in MAERT.

    D. The CEMS must operate at all times when sulfur bearing compounds (except natural gas) are being fed to the furnace, but need not operate during CEMS breakdown, repairs for calibration checks and zero span adjustments.

    E. CEMS shall be used to demonstrate compliance with the SO_2 emission limits as found in Special Condition No. 4. The permit holder must meet the quality assurance procedures required by 40 CFR Part 60 Appendix F or any alternate procedures specified in the AMP shown as Attachment I.

        (1) The SO_2 CEMS shall monitor and record the three hour arithmetic average (not weighted by production volume) SO_2 emission rate in units of pounds per ton of one hundred percent acid produced.

(2) The SO_2 CEMS shall monitor and record the SO_2 emission rate averaged (arithmetic average, not weighted by production) over all operation hours in each 365 day period in units of pounds per ton of one hundred percent acid produced.

(3) Implementation of the monitoring requirements has been defined in the AMP for the SO_2 CEMS system.

(4) The AMP supersedes the corresponding SO_2 monitoring requirements of NSPS Subpart H.

(5) All steps necessary to avoid CEMS breakdowns and minimize CEMS down time must be taken. This shall include, but is not limited to, operating and maintaining the CEMS in accordance with best practices and maintaining an on-site inventory of spare parts or other supplies necessary to make rapid repairs of the equipment.

(6) In the event of an CEMS downtime lasting longer than twenty-four hours, the permittee shall demonstrate compliance with the emission limits established in Special Condition No. 4 according to the procedures specified in the AMP shown as Attachment I.

AS and ABS Loading

14. Loading operations are limited to the liquids identified below at the rates indicated: **(08/20)**

Liquid	Gallons per Hour	Gallons/rolling 12 months
Ammonium Sulfite (AS)	21,000	8,410,000
Ammonium Bisulfite (ABS)	21,000	8,410,000

All loading shall be submerged and rolling 12-month rack throughput records shall be updated on a monthly basis for each product loaded.

15. 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. Operations shall cease immediately upon detection of any liquid leaking from the lines or connections. **(10/18)**

16. Loading emissions shall be vented to the spent acid scrubber (EPN EMSCRUBSTK). **(08/20)**

17. Each tank truck used for ABS loading shall be leak checked and certified annually in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR 60), Subpart XX.

The permit holder shall not allow a tank truck to be filled with ABS unless it has passed a leak-tight test within the past year as evidenced by a certificate which shows the date the tank truck last passed the leak-tight test required by this condition and the identification number of the tank truck. **(08/20)**

AS and ABS Storage Tanks (08/20)

18. Storage tank throughput and service shall be limited to the following:

Tank Identifier	Service	Fill/Withdrawal rate (gallons/hour)	Rolling 12 Month Throughput (gallons)
T-453A-D, T-454A	Ammonia Liquor (AS, ABS)	21,000	16,819,000

19. All vents from Tanks T-453A-D and T454A shall be routed to the spent acid scrubber (EPN EMSCRUBSTK).

20. Storage tanks must be equipped with permanent submerged fill pipes.

21. The permit holder shall maintain a record of total ammonia liquor throughput for the previous month and the past consecutive 12-month period for the tank group consisting of T-453A-D and T-454A

Fugitive Monitoring - Physical Inspections of Piping, Valves, Pumps, and Compressors in contact with SO_2 – 28PI

22. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment: **(10/18)**

    A. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.

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

    C. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Non-accessible valves, as defined in 30 TAC Chapter 115, shall be identified in a list to be made available upon request.

    D. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter.

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

    F. All piping components shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

    G. Damaged or leaking valves, connectors, compressor seals, and pump seals 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, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging.

At the discretion of the TCEQ Executive Director or designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.

H. 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 TCEQ upon request.

I. This Special Condition does not apply to EPN FUGAMLV.

Piping, Valves, Pumps, and Compressors in contact with H_2S and NH_3– 28AVO

23. Except as may be provided for in the Special Conditions of this permit, the following requirements apply to the above-referenced equipment: **(10/18)**

A. Audio, olfactory, and visual checks for leaks within the operating area shall be made every eight hours.

B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take at least one of the following actions:

(1) Isolate the leak.

(2) Commence repair or replacement of the leaking component.

(3) Use a leak collection/containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

C. 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 TCEQ upon request.

D. This Special Condition does not apply to EPN FUGAMLV.

Compliance Assurance Monitoring

24. The following requirements apply to ammonia scrubber capture system for EPN 1.

A. If used to control pollutants like SO_2, the permit holder shall 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.

B. The control device shall not have a bypass.

C. If any of the above inspections are not satisfactory, the permit holder shall promptly take necessary corrective action.

Scrubbers

25. The minimum liquid flow to the ammonia scrubber shall be 650 gpm. The circulation rate shall be monitored and recorded at least once a day. The liquid flow rate shall be recorded at least once an hour. The flow monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent, and shall be accurate to within 2 percent of span or 5 percent of the design value.

The pH shall be analyzed and recorded at least once a day from the NH_3 scrubber. The minimum allowable pH in the NH_3 scrubber is 4.5. The pH monitoring device shall be cleaned with an automatic cleaning system or cleaned weekly using hydraulic, chemical or mechanical cleaning. The pH monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least weekly, whichever is more frequent and shall be accurate to within 0.5 pH unit.

Quality assured (or valid) data must be generated when the H_2SO_4 production unit 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 hours) that the H_2SO_4 production unit operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded.

26. The spent acid scrubber (EPN EMSCRUBSTK) shall be operated in accordance with the following requirements: **(08/20)**

    A. The minimum liquid flow to the scrubber shall be at or above 5 gallons per minute, based on an hourly average, when waste gas is directed to the scrubber. The liquid flow rate shall be monitored and recorded at least once per minute. As an alternative, if the liquid pump horsepower (hp) draw is being monitored to demonstrate compliance with this special condition, the liquid pump horsepower draw shall be monitored and recorded at least once per minute, and the horsepower draw shall be at or above 1.0 hp, based on an hourly average.

    B. The horsepower monitoring device or liquid flow monitoring device, as applicable, shall be calibrated in accordance with the manufacturer's specifications at least annually.

    C. The caustic scrubber designated as EPN EMSCRUBSTK shall operate with a minimum pH of 8 on an hourly average. The scrubbing liquid shall be tested continuously (at least once per minute) to insure the pH is met. If the minimum pH is not met then the scrubbing liquid shall be replenished and/or replaced to meet the minimum pH. Testing records shall be kept at the plant site.

    D. Quality assured (or valid) data must be generated when the facility is operating. Loss of valid data due to periods of monitor breakdown, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in hours) that the facility operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

27. The spent acid scrubber (EPN EMSCRUBSTK) shall operate with no less than 99.9 percent removal efficiency for SO_2 or reduce stack SO2 concentration to 10 ppmv or less, on an hourly average. **(08/20)**

Actual to Projected Actual (ATPA) Applicability Test

20. The AS project associated with the permit amendment application, PI-1 dated January 30, 2020, was determined not to be subject to a major source review by identifying projected actual emissions rates for

the facilities modified or potentially affected by the project. Actual emissions of SO_2 from the affected sources of NSR Permit No. 9565 (EPN 1) shall be monitored, recorded, and reports made in accordance with 30 TAC §116.127 for the time period specified in 30 TAC §116.127(b)(1). The projected actual rate for the source EPN 1 is 415.15 tpy. **(10/18)**

Date: August 14, 2020

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 9565 and PSDTX695M3

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)
EMSCRUBSTK	Spent Acid Scrubber - Scrubber Liquor Storage Tanks, AML Truck and Railcar Loading	SO_2	<0.01	<0.01
		NH_3	0.01	<0.01
AMLTLDGU	Uncaptured AML Truck Loading	SO_2	<0.01	<0.01
		NH_3	<0.01	<0.01
AMLRLDGU	Uncaptured AML Railcar Loading	SO_2	<0.01	<0.01
		NH_3	<0.01	<0.01
FUGAMLV	AMLV Fugitive Emissions	SO_2	<0.01	0.02
		NH_3	<0.01	<0.01
FUGAS	AS Fugitive Emissions	SO_2	0.01	0.05
		NH_3	0.04	0.17
		H_2SO_4	0.01	<0.01
FUGNH3	Ammonia Fugitive Emissions	NH_3	0.09	0.37
FUGAAG	Amine Acid Gas Fugitive Emissions	H_2S	0.06	0.13
		VOC	<0.01	<0.01
FUGPROC	Process Fugitive Emissions	SO_2	0.07	0.13
1	Ammonia (NH_3) Scrubber	SO_2 (6)	114.13	441.65
		VOC	0.01	0.01
		NO_x	19.75	54.91
		CO	5.50	24.09
		PM	3.19	11.32
		PM_{10}	3.19	11.32

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		$PM_{2.5}$	3.19	11.32
		H_2SO_4 (6)	6.88	10.04
		NH_3	0.40	1.70
		Cl_2	0.01	0.02
		HCl	0.06	0.26
		Ag	0.03	0.12
		As	0.13	0.52
		Ba	0.03	0.12
		Be	0.02	0.08
		Cd	0.02	0.08
		Cr	0.67	2.82
		Hg	0.0018	0.0041
		Ni	0.56	2.42
		Pb	0.06	0.24
		Sb	0.03	0.12
		Se	0.05	0.20
		Tl	0.02	0.08
RACKFUG	Rack Process Fugitives (5)	VOC	0.01	0.01
		H_2S	0.01	0.01
FUGRC	Railcar Piping and Components (5)	VOC	0.01	0.02
		H_2SO_4 (6)	0.01	0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
H_2SO_4 - sulfuric acid mist
NO_x - total oxides of nitrogen

Emission Sources - Maximum Allowable Emission Rates

SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
NH_3 - ammonia
Ag - silver
As - arsenic
Ba - barium
Be - beryllium
Cd - cadmium
Cr - chromium
Cl_2 - chlorine
HCl - hydrogen chloride
Hg - mercury
Ni - nickel
Pb - lead
Sb - antimony
Se - selenium
Tl - thallium
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) Prevention of Significant Deterioration pollutant.

Date: August 14, 2020

Statement of Basis of the Federal Operating Permit

Eco Services Operations Corp.

Site Name: Baytown Plant
Physical Location: 3439 Park Street
Nearest City: Baytown
County: Harris

Permit Number: O1610
Project Type: Renewal

The North American Industry Classification System (NAICS) Code: 325188
NAICS Name: All Other Basic Inorganic Chemical Manufacturing

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

A description of the facility/area process description;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
The rationale for compliance assurance methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: October 13, 2021

Operating Permit
Basis of Determination

Permit Area Process Description

This site is a sulfuric acid manufacturing plant. The PRO-REGEN unit is the heart of the plant which is designed to produce fresh sulfuric acid (H_2SO_4) from reacted sulfuric acids or "sludges" produced by refineries and/or chemical plants. Hydrogen sulfide gas (H_2S) and natural gases are burned to maintain proper operating parameters and sulfur dioxide (SO_2) strengths.

The sludge and sulfur gas are sprayed into a combustion furnace (2000 °F) where the hydrocarbons and sulfur are burned and the spent sulfuric acid is decomposed. The combustion gases pass through a boiler for heat recovery and then through a scrubbing tower, a direct contact gas cooler (660 °F), two electrostatic precipitators, and a drying tower.

The SO_2 gas is combined with oxygen in a vanadium substrate catalytic converter to convert the SO_2 into sulfur trioxide (SO_3). From the converter the gas is finally sent to an absorbing tower where SO_3 reacts with water to form sulfuric acid. The gas that exits from the tower is passed through a mist removal element where any entrained acid is removed. The final gas stream enters an ammonia scrubber that reduces the concentration of un-reacted SO_2 gas. The tail gas is exhausted to the atmosphere.

FOPs at Site

The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	SO2, NOX

Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
    - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
    - Additional Monitoring Requirements
    - New Source Review Authorization Requirements

    - Compliance Requirements
    - Protection of Stratosphere Ozone
    - Permit Location
    - Permit Shield (30 TAC § 122.148)
- Attachments
    - Applicable Requirements Summary
        - Unit Summary
        - Applicable Requirements Summary
    - Additional Monitoring Requirements
    - Permit Shield
    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list
- Appendix B
    - Copies of major NSR authorizations

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on an OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the "index number," detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table is based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use

control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Appendix B

Copies of major NSR authorizations applicable to the units covered by this permit have been included in this Appendix, to ensure that all interested persons can access those authorizations.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

The applicant opted to comply with the more stringent 20% opacity standard under 30 TAC § 111.111(a)(1)(B) for all stationary vents that are subject to the 30% opacity standard under 30 TAC § 111.111(a)(1)(A).

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	Yes
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CSAPR (Cross-State Air Pollution Rule)	No
Federal Implementation Plan for Regional Haze (Texas SO_2 Trading Program)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that

compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

Insignificant Activities and Emission Units

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

De Minimis Sources

1. Sources identified in the "De Minimis Facilities or Sources" list maintained by TCEQ. The list is available at https://www.tceq.texas.gov/permitting/air/newsourcereview/de_minimis.html.

Miscellaneous Sources

2. Office activities such as photocopying, blueprint copying, and photographic processes.
3. Outdoor barbecue pits, campfires, and fireplaces.
4. Storage and handling of sealed portable containers, cylinders, or sealed drums.
5. Vehicle exhaust from maintenance or repair shops.
6. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
7. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
8. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
9. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
10. Well cellars.
11. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
12. Equipment used exclusively for the melting or application of wax.
13. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
14. Battery recharging areas.

Sources Authorized by 30 TAC Chapter 106, Permits by Rule

15. Sources authorized by §106.102: Combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil.
16. Sources authorized by §106.122: Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
17. Sources authorized by §106.141: Batch mixers with rated capacity of 27 cubic feet or less for mixing cement, sand, aggregate, lime, gypsum, additives, and/or water to produce concrete, grout, stucco, mortar, or other similar products.
18. Sources authorized by §106.143: Wet sand and gravel production facilities that obtain material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and have a production rate of 500 tons per hour or less.

19. Sources authorized by §106.148: Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations.
20. Sources authorized by §106.149: Sand and gravel production facilities that obtain material from deposits of sand and gravel consisting of natural disintegration of rock and stone, provided that crushing or breaking operations are not used and no blasting is conducted to obtain the material.
21. Sources authorized by §106.161: Animal feeding operations which confine animals in numbers specified and any associated on-site feed handling and/or feed millings operations, not including caged laying and caged pullet operations.
22. Sources authorized by §106.162: Livestock auction sales facilities.
23. Sources authorized by §106.163: All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities, other than incineration units.
24. Sources authorized by §106.229: Equipment used exclusively for the dyeing or stripping of textiles.
25. Sources authorized by §106.241: Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration.
26. Sources authorized by §106.242: Equipment used in eating establishments for the purpose of preparing food for human consumption.
27. Sources authorized by §106.243: Smokehouses in which the maximum horizontal inside cross-sectional area does not exceed 100 square feet.
28. Sources authorized by §106.244: Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption.
29. Sources authorized by §106.266: Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes.
30. Sources authorized by §106.301: Aqueous fertilizer storage tanks.
31. Sources authorized by §106.313: All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
32. Sources authorized by §106.316: Equipment used for inspection of metal products.
33. Sources authorized by §106.317: Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
34. Sources authorized by §106.318: Die casting machines.
35. Sources authorized by §106.319: Foundry sand mold forming equipment to which no heat is applied.
36. Sources authorized by §106.331: Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets.
37. Sources authorized by §106.333: Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives.
38. Sources authorized by §106.372: Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
39. Sources authorized by §106.391: Presses used for the curing of rubber products and plastic products.
40. Sources authorized by §106.394: Equipment used for compression molding and injection molding of plastics.
41. Sources authorized by §106.414: Equipment used exclusively for the packaging of lubricants or greases.
42. Sources authorized by §106.415: Laundry dryers, extractors, and tumblers used for fabrics cleaned with water solutions of bleach or detergents.
43. Sources authorized by §106.431: Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in paste form.
44. Sources authorized by §106.432: Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents.
45. Sources authorized by §106.451: Blast cleaning equipment using a suspension of abrasives in water.
46. Sources authorized by §106.453: Equipment used for washing or drying products fabricated from metal or glass, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
47. Sources authorized by §106.471: Equipment used exclusively to store or hold dry natural gas.

48. Sources authorized by §106.531: Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*
ENG1	30 TAC Chapter 117, Subchapter B	R7ICI-0002	Type of Service = SRIC engine not meeting an exemption Fuel Fired = Petroleum-based diesel fuel Engine Type = Lean-burn ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007. Diesel HP Rating = Horsepower rating is 175 hp or greater, but less than 300 hp. NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9) EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid. NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average. NOx Reduction = No NOx reduction NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000 Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C). CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option CO Averaging Method = Complying with the applicable emission limit using a block one-hour average. CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.
ENG1	40 CFR Part 60, Subpart IIII	60IIII-0001	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is a non-emergency engine. Commencing = CI ICE was newly constructed after 07/11/2005. Manufacture Date = Date of manufacture was after 04/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder. Generator Set = The CI ICE is not a generator set engine. Model Year = CI ICE was manufactured in model year 2017 or later. Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW. Filter = The CI ICE is not equipped with a diesel particulate filter. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.
ENG1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-0001	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.

Unit ID	Regulation	Index Number	Basis of Determination*
WELDING	30 TAC Chapter 117, Subchapter B	R7ICI-0003	Type of Service = SRIC engine not meeting an exemption Fuel Fired = Petroleum-based diesel fuel Engine Type = Lean-burn ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2005, but before October 1, 2006. Diesel HP Rating = Horsepower rating is 50 hp or greater, but less than 100 hp. NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9) EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid. NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average. NOx Reduction = No NOx reduction NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000 Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C). CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option CO Averaging Method = Complying with the applicable emission limit using a block one-hour average. CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.
WELDING	40 CFR Part 60, Subpart IIII	60IIII-0002	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Service = CI ICE is a non-emergency engine. Commencing = CI ICE was newly constructed after 07/11/2005. Manufacture Date = Date of manufacture was after 04/01/2006. Diesel = Diesel fuel is used. Displacement = Displacement is less than 10 liters per cylinder. Model Year = CI ICE was manufactured prior to model year 2007. Kilowatts = Power rating is greater than or equal to 37 KW and less than 75 KW. Filter = The CI ICE is not equipped with a diesel particulate filter. Compliance Option = Records are being kept of manufacturer data according to §60.4211(b)(3).
WELDING	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-0002	HAP Source = The site is an area source of hazardous air pollutants as defined in 40 CFR § 63.2 Brake HP = Stationary RICE with a brake HP less than 100 HP. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.
GRPACIDTNK	30 TAC Chapter 115, Storage of VOCs	R5112-0001	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons

Unit ID	Regulation	Index Number	Basis of Determination*
			Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPACIDTNK	40 CFR Part 60, Subpart K	60K-0003	Construction/Modification Date = On or before June 11, 1973
T-18	30 TAC Chapter 115, Storage of VOCs	R5112-0002	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Control Device Type = Direct-flame incinerator
T-18	30 TAC Chapter 115, Storage of VOCs	R5112-0003	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Control Device Type = Other vapor destruction unit
T-18	30 TAC Chapter 115, Storage of VOCs	R5112-0006	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Control Device Type = Carbon adsorber (non-regenerative).
T-18	40 CFR Part 60, Subpart Kb	60Kb-001	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
T-18	40 CFR Part 60, Subpart Kb	60Kb-002	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit ID	Regulation	Index Number	Basis of Determination*
			Storage Vessel Description = CVS and control device other than a flare (fixed roof)
T-18	40 CFR Part 60, Subpart Kb	60Kb-003	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
T-19	30 TAC Chapter 115, Storage of VOCs	R5112-0002	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Control Device Type = Direct-flame incinerator
T-19	30 TAC Chapter 115, Storage of VOCs	R5112-0003	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Control Device Type = Other vapor destruction unit
T-19	30 TAC Chapter 115, Storage of VOCs	R5112-0006	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Control Device Type = Carbon adsorber (non-regenerative).
T-19	40 CFR Part 60, Subpart Kb	60Kb-001	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
T-19	40 CFR Part 60, Subpart Kb	60Kb-002	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)

Unit ID	Regulation	Index Number	Basis of Determination*
			Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
T-19	40 CFR Part 60, Subpart Kb	60Kb-003	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia Storage Vessel Description = CVS and control device other than a flare (fixed roof)
BARGE-DOCK	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-0001	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure less than 0.5 psia.
BARGE-DOCK	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-0002	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia. Daily Throughput = Loading less than 20,000 gallons per day.
PREHTRSTK	30 TAC Chapter 117, Subchapter B	R7ICI-0001	Unit Type = Process heater Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr Fuel Type #1 = Natural gas NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8) Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. NOx Emission Limit Basis = Complying with the applicable emission limit using a rolling 30-day average NOx Reduction = No NO_x reduction NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000] Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.
PKGBOILSTK	30 TAC Chapter 117, Subchapter B	R7ICI-0001	Unit Type = Other industrial, commercial, or institutional boiler. Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr.

Unit ID	Regulation	Index Number	Basis of Determination*
			Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases. NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration]. EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid. NOx Emission Limit Average = Comply with the applicable emission limit in pounds/hour on a using block one-hour average. NOx Reductions = No NO_x reduction. NOx Monitoring System = Maximum emission rate testing. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option. CO Monitoring System = Monitored by method other than CEMS or PEMS.
PKGBOILSTK	40 CFR Part 60, Subpart Dc	60Dc-001	Construction/Modification Date = After February 28, 2005. Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW). Applicability = Unit is not subject to other 40 CFR Part 60 subparts Heat Input Capacity = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW). D-Series Fuel Type = Other fuel. ACF Option - SO2 = Other ACF or no ACF. ACF Option - PM = Other ACF or no ACF. 30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner. PM Monitoring Type = No particulate monitoring because there is no applicable PM emission limit SO2 Inlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit SO2 Outlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions 47C-Option = COMS exemption § 60.47c(f) for a facility that burns only gaseous fuels or fuel oils that contain less than or equal to 0.5 weight percent sulfur and operates according to a written site-specific monitoring plan approved by the permitting authority.
DEGREASER	30 TAC Chapter 115, Degreasing Processes	R5115-0001	Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine. Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested. Solvent Sprayed = A solvent is sprayed. Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit. Solvent Heated = The solvent is heated to a temperature greater than 120 degrees Fahrenheit.

Unit ID	Regulation	Index Number	Basis of Determination*
			Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine. Drainage Area = Area is less than 16 square inches. Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.
DOCKVC	30 TAC Chapter 117, Subchapter B	R7ICI-0002	Maximum Rated Capacity = MRC is less than 40 MMBtu/hr
SCRUB-VCU	30 TAC Chapter 117, Subchapter B	R7300-0001	Maximum Rated Capacity = MRC is less than 40 MMBtu/hr
PRO-REGEN	30 TAC Chapter 112, Sulfur Compounds	REG2-002	Facility Type = Sulfuric acid plant that burns alkylation acid, hydrogen sulfide, organic sulfides, mercaptans, or acid sludge by contact process. Effective Stack Height = The effective stack height is not less than the standard effective stack height. Production Capacity = Production capacity is greater than 300 tons per day (expressed as 100 percent acid). Facility Use = The plant is not used exclusively as a sulfur dioxide control system, chamber process plant, acid concentrator, or oleum transfer and storage facility.
PRO-REGEN	40 CFR Part 60, Subpart H	60H-001	Construction/Modification Date = After August 17, 1971. Process Design = The source does not process elemental sulfur or an ore that contains elemental sulfur, or processes elemental sulfur or an ore that contains elemental sulfur and does not use air to supply oxygen.

* - The "unit attributes" or operating conditions that determine what requirements apply

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit (FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOPs are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. In addition, many of the permits are

accessible online through the link provided below. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. Permit by Rule (PBR) registrations submitted by permittees are also available online through the link provided below. The following table specifies the PBRs that apply to the site.

The status of air permits, applications, and PBR registrations may be found by performing the appropriate search of the databases located at the following website:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Details on how to search the databases are available in the **Obtaining Permit Documents** section below.

New Source Review Authorization References

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX695M3	Issuance Date: 08/14/2020
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.: 56534	Issuance Date: 12/22/2016
Authorization No.: 9565	Issuance Date: 08/14/2020
Permits by Rule (30 TAC Chapter 106) for the Application Area	
Number: 7	Version No./Date: 09/12/1989
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 03/14/1997
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.478	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

Permits by Rule

The TCEQ has interpreted the emission limits prescribed in 30 TAC §106.4(a) as both emission thresholds and default emission limits. The emission limits in 30 TAC §106.4(a) are all considered applicable to each facility as a threshold matter to ensure that the owner/operator qualifies for the PBR authorization. Those same emission limits are also the default emission limits if the specific PBR does not further limit emissions or there is no lower, certified emission limit claimed by the owner/operator.

This interpretation is consistent with how TCEQ has historically determined compliance with the emission limits prior to the addition of the "as applicable" language. The "as applicable" language was added in 2014 as part of changes to the sentence structure in a rulemaking that made other changes to address greenhouse gases and was not intended as a substantive rule change. This interpretation also provides for effective and practical enforcement of 30 TAC §106.4(a), since for the TCEQ to effectively enforce the emission limits in 30 TAC §106.4(a) as emission thresholds, all emission limits must apply. As provided by 30 TAC §106.4(a)(2) and (3), an owner/operator shall not claim a PBR authorization if the facility is subject to major New Source Review. The practical and legal effect of the language in 30 TAC § 106.4 is that if a facility does not emit a pollutant, then the potential to emit for that particular pollutant is zero, and thus, the facility is not authorized to emit the pollutant pursuant to the PBR.

The permit holder is required to keep records for demonstrating compliance with PBRs in accordance with 30 TAC § 106.8 for the following categories:

- As stated in 30 TAC § 106.8(a), the permit holder is not required to keep records for de minimis sources as designated in 30 TAC § 116.119.
- As stated in 30 TAC § 106.8(b) for PBRs on the insignificant activities list, the permit holder is required to provide information that would demonstrate compliance with the general requirements of 30 TAC § 106.4.
- As stated in 30 TAC § 106.8(c) for all other PBRs, the permit holder must maintain sufficient records to demonstrate compliance with the general requirements specified in 30 TAC § 106.4 and to demonstrate compliance with the emission limits and any specific conditions of the PBR as applicable.

The application, or a previously submitted application, contains a PBR Supplemental Table. This table provides supplemental information for all PBR authorizations at the site or application area, including PBRs that are not listed on the OP-REQ1 form. PBRs that are not listed on the OP-REQ1 form authorize emission units that the TCEQ has determined are insignificant sources of emissions (IEUs). PBRs are enforceable through permit condition number 12. The EPA gives States broad discretion in prescribing monitoring, recordkeeping, and reporting for generally applicable requirements that cover insignificant emission units. (see EPA *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*). Federal regulations specifically identify recordkeeping as an appropriate level of monitoring necessary to assure compliance with the requirements applicable to an emissions unit. Permitting authorities have the best sense of where it is appropriate to conclude that periodic monitoring is not necessary for IEUs, when state program rules already provide sufficient monitoring for these units.

In the case of IEUs in particular, the recordkeeping in 30 TAC §106.8 is sufficient because the units do not have the potential to violate emission limitations or other requirements under normal operating conditions. In particular, where the establishment of a regular program of monitoring would not significantly enhance the ability of the permit to assure compliance with the applicable requirement, the permitting authority can provide that the applicable requirement has monitoring sufficient to yield reliable data that is representative of the emission unit's compliance with the limitations. Therefore, for IEUs compliance with 30 TAC §106.8 is sufficient to meet federal monitoring requirements.

The PBR 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, or parametric monitoring. The PBR records also satisfy the federal operating permit periodic monitoring requirements of 30 TAC § 122.142(c) as they are representative of the emission unit's compliance with 30 TAC Chapter 106.

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission

point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

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

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

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Compliance Assurance Monitoring (CAM):

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;

2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and

3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

Unit/Group/Process Information	
ID No.: PRO-REGEN	
Control Device ID No.: AMMONIA SCRUBB	Control Device Type: SO2 Scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart H	SOP Index No.: 60H-001
Pollutant: SO_2	Main Standard: § 60.82(a)
Monitoring Information	
Indicator: pH	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: Minimum pH is 4.5	
Basis of CAM: A common way to control SO2 emissions from sources is by the use of a wet scrubber. Many parameters established either by the manufacturer's recommendations or a recent performance test may be monitored to ensure compliance. These parameters may include gas residence time, gas velocities, gas and liquid temperatures, gas and liquid pressure drop, pH and the liquid/gas flow rate ratio ensure that the control device is operating properly.	

Unit/Group/Process Information	
ID No.: PRO-REGEN	
Control Device ID No.: AMMONIA SCRUBB	Control Device Type: SO2 Scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart H	SOP Index No.: 60H-001
Pollutant: SO_2	Main Standard: § 60.82(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: Minimum liquid flow rate is 650 gallons per minute	
Basis of CAM: A common way to control SO2 emissions from sources is by the use of a wet scrubber. Many parameters established either by the manufacturer's recommendations or a recent performance test may be monitored to ensure compliance. These parameters may include gas residence time, gas velocities, gas and liquid temperatures, gas and liquid pressure drop, pH and the liquid/gas flow rate ratio ensure that the control device is operating properly.	

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-0002
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: Minimum Temperature = 1500 °F	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-001
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: Minimum Temperature = 1500 °F	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-0002
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: Minimum Temperature = 1500 °F	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: PRO-REGEN	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-001
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: Minimum Temperature = 1500 °F	
Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for thermal incinerators. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: PKGBOILSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-0001
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: Fuel flow rate and hours of operation	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: A fuel flow that exceeds a calculated heat input of 35 MMBtu/hr shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a correlation between fuel consumption and emission rates. In situations where such a correlation exists, measuring, calculating and recording the fuel consumption rate indicates whether the emission limitation or standard is being met. Emissions calculations were provided that demonstrate that the hourly CO emission rate calculated using the fuel flow rate and emission factors demonstrate compliance with the 30 TAC Chapter 117, Subchapter B CO concentration limit of 400 ppmv.	

Unit/Group/Process Information	
ID No.: PREHTRSTK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-0001
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: Fuel flow rate and hours of operation	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: A fuel flow that exceeds a calculated heat input of 30 MMBtu/hr shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a correlation between fuel consumption and emission rates. In situations where such a correlation exists, measuring, calculating and recording the fuel consumption rate indicates whether the emission limitation or standard is being met. Emissions calculations were provided that demonstrate that the hourly CO emission rate calculated using the fuel flow rate and emission factors demonstrate compliance with the 30 TAC Chapter 117, Subchapter B CO concentration limit of 400 ppmv.	

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: SCRUB-VCU	Control Device Type: Vapor Combustor
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-002
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Minimum Temperature = 1400 °F	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: T-18	
Control Device ID No.: SCRUB-CAS	Control Device Type: Carbon Adsorption System (Non-Regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-003
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Carbon Replacement Interval	
Minimum Frequency: At each replacement of carbon canister	
Averaging Period: n/a	
Deviation Limit: Any period which exceeds the maximum carbon replacement interval. The records of the maximum carbon replacement interval shall be maintained.	
Basis of monitoring: A common way to monitor a non-regenerative carbon adsorption system is by measuring the time intervals of the carbon canister replacement. The replacement interval may be determined by performance tests, manufacturer's recommendations, engineering calculations and/or historical data. Monitoring the carbon replacement interval of a carbon adsorption system is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart QQQ; 40 CFR Part 61, Subpart FF; 40 CFR Part 63, Subparts EE, HH, and MMM; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: SCRUB-VCU	Control Device Type: Vapor Combustor
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-002
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Minimum Temperature = 1400 °F	
Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115.	

Unit/Group/Process Information	
ID No.: T-19	
Control Device ID No.: SCRUB-CAS	Control Device Type: Carbon Adsorption System (Non-Regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-003
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Carbon Replacement Interval	
Minimum Frequency: At each replacement of carbon canister	
Averaging Period: n/a	
Deviation Limit: Any period which exceeds the maximum carbon replacement interval. The records of the maximum carbon replacement interval shall be maintained.	
Basis of monitoring: A common way to monitor a non-regenerative carbon adsorption system is by measuring the time intervals of the carbon canister replacement. The replacement interval may be determined by performance tests, manufacturer's recommendations, engineering calculations and/or historical data. Monitoring the carbon replacement interval of a carbon adsorption system is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart QQQ; 40 CFR Part 61, Subpart FF; 40 CFR Part 63, Subparts EE, HH, and MMM; and 30 TAC Chapter 115.	

Obtaining Permit Documents

The New Source Review Authorization References table in the FOP specifies all NSR authorizations that apply at the permit area covered by the FOP. Individual NSR permitting files are located in the TCEQ Central File Room (TCEQ Main Campus located at 12100 Park 35 Circle, Austin, Texas, 78753, Building E, Room 103). They can also be obtained electronically from TCEQ's Central File Room Online (https://www.tceq.texas.gov/goto/cfr-online). Guidance documents that describe how to search electronic records, including Permits by Rule (PBRs) or NSR permits incorporated by reference into an FOP, archived in the Central File Room server are available at https://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

All current PBRs are contained in Chapter 106 and can be viewed at the following website:

https://www.tceq.texas.gov/permitting/air/permitbyrule/air_pbr_index.html

Previous versions of 30 TAC Chapter 106 PBRs may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Historical Standard Exemption lists may be viewed at the following website:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

Additional information concerning PBRs is available on the TCEQ website:

https://www.tceq.texas.gov/permitting/air/nav/air_pbr.html

Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on May 21, 2021.
   Site rating: 1.34 / Satisfactory Company rating: 6.83 / Satisfactory
   (High < 0.10; Satisfactory ≥ 0.10 and ≤ 55; Unsatisfactory > 55)
2. Has the permit changed on the basis of the compliance history or site/company rating? ..... No

Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS? ..... No
2. Is a compliance plan and schedule included in the permit? ..... No

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes

OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes
OP-UA64 - Coal Preparation Plant Attributes

125422

Texas Commission on Environmental Quality
Public Notice Verification Form
Air Permit

Applicant Name: Eco Services Operations Corp.		
Site or Facility Name: Baytown Plant		
Application Received Date: 02/08/2021		
TCEQ Account Number (if applicable): HG-0696-Q	Permit Number: O1610	
Regulated Entity Number (RN): RN100211317	Customer Number (CN): CN605004464	
All applicants must **complete all applicable** portions of this form. Send this completed form to the TCEQ to the attention of the Office of the Chief Clerk **within 10 business days after the end of the designated comment period.** For more information regarding public notice, refer to the instructions in the public notice package.		
Alternative Language Checklist		
I have contacted the appropriate school district.		☒ Yes ☐ No
School District: Goose Creek ISD	Phone Number: 281-707-3641	
Person Contacted: Pilar Moreno-Recio	Date: 11/11/2021	
Is a bilingual education program (BEP) required by the Texas Education Code in the district?		☒ Yes ☐ No
If answer is "NO," skip to first question in verification box on next page. *(Note: A BEP is different from "English as a Second Language" (ESL) program; and Elementary/Middle schools that only offer ESL will not trigger notice in an alternative language.)*		
Notice in an alternative language is required if a BEP **is required** in the District, and **one** of the following conditions is met:		
1. students in the elementary or middle school nearest the facility are enrolled in a program at that school;		☒ Yes ☐ No
2. students from the elementary or middle school nearest the facility attend a BEP at another location; or		☐ Yes ☒ No
3. the school district that otherwise would be required to provide a BEP has been granted an exception from the requirements to provide the program, as provided for in 19 Texas Administrative Code 89.1207(a).		☐ Yes ☒ No
If the answer is "NO" to **1, 2, and 3 above**, then alternative language notice **is not required.**		
The name of the elementary school nearest to the proposed or existing facility is:		
GW Carver Elementary		
The name of the middle school nearest to the proposed or existing facility is:		
Horace Mann Junior High		
The following language(s) is/are utilized in the bilingual program:		
Spanish		
If notice in an alternative language is required, then applicants must publish alternative language notice(s) and post alternative language sign(s), as outlined in the *Instructions for Public Notice* and certify compliance with those requirements on this form.		

Texas Commission on Environmental Quality
Public Notice Verification Form
Air Permit

Applicant Name: Eco Services Operations Corp.		
Site or Facility Name: Baytown Plant		
Application Received Date: 02/08/2021		
TCEQ Account Number (if applicable): HG-0696-Q	Permit Number: O1610	
Regulated Entity Number (RN): RN100211317	Customer Number (CN): CN605004464	
For more information regarding public notice, refer to the instructions in the public notice package.		
Alternative Language Verification		
1. A BEP is required by the Texas Education Code in the area addressed by this permit application and is subject to alternative language public notice requirements. **If "NO," skip 2 through 6 and complete signature, title, date, and name of applicant.**		☒ Yes ☐ No
2. The applicant has conducted a diligent search for a newspaper or publication of general circulation in both the municipality and county in which the facility is located (or proposed to be located).		☒ Yes ☐ No
3. A newspaper or publication **could not be found** in any of the alternative language(s) in which notice is required.		☐ Yes ☒ No
4. The publishers of the **newspaper listed below refused to publish the notice** as requested, **and** another newspaper or publication in the same language and of general circulation **could not be found** in the municipality or county in which the facility is located (or proposed to be located).		☐ Yes ☒ No ☐ N/A
Newspaper:	Language:	
5. Proof of publication of the newspaper **alternative language** notice(s) and the requested affidavits have been sent to the TCEQ.		☒ Yes ☐ No
6. Alternative language signs were posted as required by the TCEQ.		☒ Yes ☐ No
This form must be signed and dated by a designated representative acting on behalf of the applicant after the end of the designated comment period. Send this completed form to the TCEQ to the attention of the Office of the Chief Clerk **within 10 business days after the end of the designated comment period.** The TCEQ will not accept this form if submitted prior to that date.		
Verified by *(signature)*:		
Applicant: Michael Marchut		
Title: Plant Manager	Date: 01/04/22	

Texas Commission on Environmental Quality
Public Notice Verification Form
Air Permit

Applicant Name: Eco Services Operations Corp.		
Site or Facility Name: Baytown Plant		
Application Received Date: 02/08/2021		
TCEQ Account Number (if applicable): HG-0696-Q	Permit Number: O1610	
Regulated Entity Number (RN): RN100211317	Customer Number (CN): CN605004464	
For more information regarding public notice, refer to the instructions in the public notice package.		
New Source Review Permit Notice Verification *(Complete this section, if applicable)*		
Proof of publication of the newspaper notices and the requested affidavits have been furnished in accordance with the regulations and instructions of the TCEQ.	☐ Yes ☐ No	
Notice of Receipt of Application and Intent to Obtain Permit (1st Notice):		
Required signs (for 1st notice) were posted in accordance with the regulations and instructions of the TCEQ.	☐ Yes ☐ No	
A copy of the administratively complete air quality application, and any revisions, were available for review and copying at the public place indicated below throughout the duration of the public comment period.	☐ Yes ☐ No	
The public place indicated below provides public access to the internet (for PSD, nonattainment, or FCAA 112(g) Permit).	☐ Yes ☐ No ☐ N/A	
Notice of Application and Preliminary Decision (2nd Notice, if applicable):		
A copy of the complete air quality application (including any subsequent revisions to the application), executive director's preliminary decision (which includes the draft permit), the preliminary determination summary and air quality analysis (if applicable), are available for review and copying at the public place indicated below from the first day after newspaper publication, and will remain available until either: (1) the TCEQ acts on the application; or (2) the application is referred to the State Office of Administrative Hearings (SOAH) for hearing	☐ Yes ☐ No	
Name of Public Place:		
Address of Public Place:		
City:	State:	ZIP Code:
This form must be signed and dated by a designated representative acting on behalf of the applicant after the end of the designated comment period. Send this completed form to the TCEQ to the attention of the Office of the Chief Clerk **within 10 business days after the end of the designated comment period.** The TCEQ will not accept this form if submitted prior to that date.		
Verified by *(signature)*:		
Applicant:		
Title:	Date:	

Texas Commission on Environmental Quality
Public Notice Verification Form
Air Permit

Applicant Name: Eco Services Operations Corp.		
Site or Facility Name: Baytown Plant		
Application Received Date: 02/08/2021		
TCEQ Account Number (if applicable): HG-0696-Q	Permit Number: O1610	
Regulated Entity Number (RN): RN100211317	Customer Number (CN): CN605004464	
For more information regarding public notice, refer to the instructions in the public notice package.		
Federal Operating Permit (Title V) Notice Verification *(Complete this section, if applicable)*		
I verify that the required signs were posted in accordance with the regulations and instructions of the TCEQ.	☒ Yes ☐ No	
I verify that proof of publication of the newspaper notices and the requested affidavits have been furnished in accordance with the regulations and instruction of the TCEQ.	☒ Yes ☐ No	
I verify that a copy of the complete air quality application (including any subsequent revisions to the application) and draft permit were available for review and copying at the public place indicated below throughout the duration of the public comment period.	☒ Yes ☐ No	
Name of Public Place: Baytown Sterling Municipal Library		
Address of Public Place: 1 Mary Elizabeth Wilbanks Avenue		
City: Baytown	State: TX	ZIP Code: 77520-4258
This form must be signed and dated by a designated representative acting on behalf of the applicant after the end of the designated comment period. Send this completed form to the TCEQ to the attention of the Office of the Chief Clerk **within 10 business days after the end of the designated comment period.** The TCEQ will not accept this form if submitted prior to that date.		
Verified by *(signature)*: MMt		
Applicant: Michael Marchut		
Title: Plant Manager	Date: 01/04/22 ✓	

OPE: 12/21/2021

PRINT FORM RESET FORM

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. Identifying Information		
RN: RN100211317	CN: CN605004464	Account No.: HG-0696-Q
Permit No.: O1610	Project No.: 31926	
Area Name: Baytown Plant	Company Name: Eco Services Operations Corp.	

II. Certification Type *(Please mark the appropriate box)*

☐ Responsible Official ☒ Duly Authorized Representative

III. Submittal Type *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☐ Permit Revision, Renewal, or Reopening

☒ Other: Public Notice Verification Form

IV. Certification of Truth

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Michael Marchut (*Certifier Name printed or typed*) certify that I am the DAR (*RO or DAR*)

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter Either a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From _____ (*Start Date*) to _____ (*End Date*)

Specific Dates: 1/4/2022 (*Date 1*) _____ (*Date 2*) _____ (*Date 3*) _____ (*Date 4*) _____ (*Date 5*) _____ (*Date 6*)

Signature: [signature] Signature Date: 01/04/22

Title: Plant Manager

Paul Worrall

From: Rock Demarais(Houston) <Rock.Demarais@eco-services.com>
Sent: Tuesday, January 4, 2022 12:13 PM
To: PROOFS; Jasmine Yuan
Cc: Michael Marchut(Baytown); John Richardson(BatonRouge)
Subject: O1610-Eco Services Operations Corp- Project 31926- Public Notice Verification Form
Attachments: Form OP-CRO1 2021 1229.pdf; Public Notice Verification Form 2021-1229.pdf

Hello,

Please find attached the Public Notice Verification Form and OP-CRO1 for Eco Services Operations Corp Baytown's Title V Public Notice.

Please reach out to me if you have any questions,

Rock Demarais
Environmental Specialist

8615 Manchester St.
Houston, TX 77012

Office: (713) 924-1434 Mobile: (281) 730-2885 ecovyst.com

125422

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Eco Services Operations Corp
Permit No.: O1610
Notice of Draft Federal Operating Permit

AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §
COUNTY OF Harris §

Before me, the undersigned authority, on this day personally appeared

Daisie Herndon who being by me duly sworn, deposes and says that (s)he is *(Name of Person Representing Newspaper)*

the Circulation Supervisor of the The Baytown Sun
(Title of Person Representing Newspaper) *(Name of the Newspaper)*

that said newspaper is generally circulated in Baytown, Texas.
*(The **municipality or nearest municipality** in which the site or proposed site is located)*

that the enclosed notice was published in said newspaper on the following date(s):
November 21, 2021

Daisie Herndon
(newspaper representative's signature)

Subscribed and sworn to before me this the 23 day of November, 2021
to certify which witness my hand and seal of office.

Deborah Florence Robertson
Notary Public in and for the State of Texas

[Seal]

DEBORAH F. ROBERTSON
My Notary ID # 128999921
Expires May 24, 2024

Deborah Florence Robertson
Print or Type Name of Notary Public

5-24-2024
My Commission Expires

GARAGE SALES

1305 Walker
Sat 9-2pm
Lots of misc.

2203 Cedar Creek Dr. Fri & Sat 7-1 Clothes, shoes, handbags, kitchen items, furn, mattress, bedsheets, and toys.

4401 Country Club View, Fri 1-5, Sat 8-12 Appliances, home decor & more.

Estate Sale
222 Almond
Sat. 20th 8-2pm
All items not marked firm 50% off.
Another K. Hester Estate Sale
Pictures on: www.estatesales.net
Cash Only!
No Children!

Cars

No Title, No VIN, Bonded title services, Title & Registration, Classic Cars. Houston Auto Appraisers 4th floor Amegy Bank 281-424-6466

Lots/Acreages

BHISD 3-12 beautiful wooded acres, private rd, $70K/ac 281-382-7714

Houses for Rent

2/1 newly remodeled small house No pets,, Ref. req, $875 mo/$500 dep. 281-515-5008 Leave message

3bed/2bath, w/appl, utilities incl', big yard, quiet neighborhood $1200/rent + $1000/dep. 346-263-8044 713-416-3073

Mobile Home Rentals

2/2 Trinity Bay
bk-ground $895
832-457-2388

Handyman Services

"HAULING HANK" Will haul-off trash, debris, buildings & junk, 281-420-2281

Tree Services

AAA Quality Tree Trim/Removal/Land Clearing/Stump Grinding. 281-420-2281.

Customer Service

CALL TAKERS
Immediate Openings FT/PT. Must be Reliable Bilingual a plus. Apply in person at 820 W Main St. La Porte, TX

Healthcare

Dental Hygienist. Send resume to Arlene.amirsaad@gmail.com, fax 281-428-1596, or Amir Saad, DDS, 2802 Garth Rd, Suite 303, Baytown, TX 77521 call 281-428-1594

Home Health Co. looking for FT RN for info call M-F 10 to 4 281-428-2807

Registered Dental Assistant Mon-Thur 7am-2pm, Send resume to Arlene.amirsaad@gmail.com, Fax 281-428-1596, or Amir Saad, DDS, 2802 Garth Rd, Suite 303, Baytown, TX 77521

Full-time Employment

Non Commissioned Security Officers Immediate Openings Full/Part Time. Must be reliable. Appy in person 820 W Main St., La Porte, Tx.

Legal Notices

ORDINANCE NO. 14,960

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF BAYTOWN, TEXAS, AMENDING CHAPTER 94 "TRAFFIC AND VEHICLES," ARTICLE VII" MOTORIZED CARTS, "SECTION 94-302 "DEFINITIONS" AND SECTION 94-303 "ELECTRIC AND GASOLINE MOTORIZED-CART-REQUIRED EQUIPMENT," SUBSECTION (A)(9) OF THE CODE OF ORDINANCES, BAYTOWN, TEXAS, TO UPDATE THE "MOTORIZED CARTS" ORDINANCE TO CONFORM WITH STATE LAW; PROVIDING A REPEALING CLAUSE; CONTAINING A SAVINGS CLAUSE; PRESCRIBING A MAXIMUM PENALTY OF FIVE HUNDRED AND NO/100 DOLLARS ($500.00); AND PROVIDING FOR THE PUBLICATION AND EFFECTIVE DATE THEREOF.

Legal Notices

NOTICE TO BIDDERS

Electronic bids addressed to CHAMBERS COUNTY IMPROVEMENT DISTRICT NO. 1 (the "District"), Attention: William Scott, District Board President, will be received online at www.CivcastUSA.com until 2:00 p.m. CST, Monday December 6, 2021, and then opened and read for **"WASTEWATER TREATMENT PLANT PHASE II EXPANSION"**, Chambers County, Texas. More information regarding the electronic bid submittal can be found at www.CivcastUSA.com. Due to COVID 19, Chambers County Improvement District No. 1 will accept only electronic bids.

Contract Scope of Work includes fabrication and installation of a 240,000 gallon-per-day (gpd) Package Wastewater Treatment Plant (WWTP) for Phase II expansion to a 480,000 gpd wastewater treatment facility. The associated improvements include modifications and upgrades to the existing lift station, instrumentation and controls, electrical wiring and conduits replacement, structural repairs, paving and site improvements and shall be completed in place as described in the Project Manual and as shown in the Plans.

Bids received after the closing time will not be accepted. **A MANDATORY Pre-Bid** meeting will be held on Tuesday November 30, 2021, at 2:00 p.m. CST. The pre-bid conference will be organized using available teleconference methods (such as Microsoft Teams). More information regarding the Mandatory Pre-Bid meeting can be found at www.CivcastUSA.com. Attendance by each prospective bidder or its representative at the pre-bid conference is MANDATORY, and no Bid will be accepted unless the bidder or representative was present at the pre-bid conference.

Each Bid must be accompanied by a bid bond or a certified or cashier's check, acceptable to the Owner, in an amount not less than 5 percent (5%) of the total amount bid, as a guarantee that the successful bidder will enter into a Contract, execute Payment and Performance Bonds on the forms provided and provide the required insurance certificates within 10 days after the date Contract Documents are received by the Contractor.

Copies of the bidding documents may be obtained from www.CivcastUSA.com: search "Chambers County Improvement District No. 1". Bidders must register on this website in order to view and/or download specifications, reports, and plans for this project. There is NO charge to view or download documents.

The Owner reserves the right to reject any and/or all Bids and to waive all defects and irregularities in bidding or bidding process except time of submitting a Bid. The Successful Bidder, if any, will be the responsible Bidder which in the Board's judgement will be most advantageous to the District and result in the best and most economical completion of the Project.

Legal Notices

CITY OF BAYTOWN, TEXAS

NOTICE OF PUBLIC HEARING OF THE CITY OF BAYTOWN, TEXAS TO CONSIDER THE ADVISABILITY OF THE CREATION OF A PUBLIC IMPROVEMENT DISTRICT TO MAKE CERTAIN IMPROVEMENTS OVER CERTAIN PROPERTY LOCATED WITHIN THE CITY.

NOTICE IS HEREBY GIVEN THAT the City Council (the "City Council") of the City of Baytown, Texas (the "City"), pursuant to Chapter 372 of the Texas Local Government Code, as amended (the "Act"), will hold a public hearing at **6:30 p.m. on December 9, 2021**, in the **City Council Chamber at Baytown City Hall, 2401 Market Street, Baytown, Texas 77520** for the purpose of considering the establishment by the City of a public improvement district to be located within the extraterritorial jurisdiction of the City.

In accordance with the Act, the City Council has received a petition (the "Petition") from certain property owners within the extraterritorial jurisdiction of the City (the "Petitioners"), that requests the establishment of a public improvement district (the "PID"). The Petition and the legal description of the property to be included in the PID are on file and open for public inspection in the office of the City Clerk at 2401 Market Street, Baytown, Texas 77520. The public hearing is being held with respect to the advisability of creating the PID and the improvements to be made therein.

GENERAL NATURE OF THE AUTHORIZED IMPROVEMENTS: The general nature of the proposed public improvements (collectively, the "Authorized Improvements"): (i) street and roadway improvements, including related sidewalks, drainage, utility relocation, signalization, landscaping, lighting, signage, off-street parking and right-of-way; (ii) establishment or improvement of parks and open space, together with the design, construction and maintenance of any ancillary structures, features or amenities such as trails, playgrounds, walkways, lighting and any similar items located therein; (iii) sidewalks and landscaping, including entry monuments and features, fountains, lighting and signage; (iv) acquisition, construction and improvement of water, wastewater and drainage improvements and facilities (v) projects similar to those listed in subsections (i) - (iv) above authorized by the Act, including similar off-site projects that provide a benefit to the property within the District; (vi) payment of costs associated with operating and maintaining the public improvements listed in subparagraphs (i) - (v) above; and (vii) payment of costs associated with developing and financing the public improvements listed in subparagraphs (i) - (v) above, and costs of establishing, administering and operating the District. These Authorized Improvements shall promote the interests of the City and confer a special benefit upon the Property.

ESTIMATED COST OF THE AUTHORIZED IMPROVEMENTS: The estimated cost to design, acquire and construct the Authorized Improvements, together with bond issuance costs, eligible legal and financial fees, eligible credit enhancement costs and eligible costs incurred in the establishment, administration and operation of the PID is $20,000,000 plus the annual cost of operation and maintenance, if any. The City will pay no costs of the Authorized Improvements or operation and maintenance costs from funds other than assessments levied on property within the PID. The remaining costs of the proposed improvements will be paid from sources other than those described above.

PROPOSED METHOD OF ASSESSMENT: The City shall levy assessments on each parcel within the PID in a manner that results in the imposition of an equal share of the costs of the Authorized Improvements on property similarly benefitted by such Authorized Improvements. The proposed method of assessment shall be based upon (i) an equal apportionment per lot, per front foot, or per square foot of property benefiting from the Authorized Improvements, as determined by the City, (ii) the ad valorem taxable value of the property benefiting from the Authorized Improvements, with or without regard to improvements on the property, or (iii) in any manner that results in imposing equal shares of the cost on property similarly benefitted.

PROPOSED APPORTIONMENT OF COSTS BETWEEN THE CITY AND THE PID: The City will not be obligated to provide any funds to finance the Authorized Improvements. All of the costs of the Authorized Improvements will be paid from assessments levied on properties in the PID and from other sources of funds available to the Petitioners.

BOUNDARIES OF THE PROPOSED PID: Approximately 63.615 acres of land within the City of Baytown, Harris County, Texas. Said property being generally located 397 feet north of the Hunt Road and N. Main St. intersection, and is APPROXIMATELY 2,010 FT south of the I-10 East frontage road and N. Main St. intersection, and is APPROXIMATELY 2,050 FT east of the Hunt Road and Garth Road intersection, and is located on the west side of N. Main Street. **A metes and bounds description is available for inspection at the offices of the City Clerk at the location described above.**

All interested persons are invited to attend such public hearing to express their views with respect to the establishment of the PID and the Authorized Improvements to be made therein.

This Notice of Public Hearing is given and the public hearing is being held pursuant to the requirements of the Act.

THE CITY OF BAYTOWN, TEXAS

Legal Notices

CITY OF BAYTOWN, TEXAS

NOTICE OF PUBLIC HEARING OF THE CITY OF BAYTOWN, TEXAS TO CONSIDER THE ADVISABILITY OF THE CREATION OF A PUBLIC IMPROVEMENT DISTRICT TO MAKE CERTAIN IMPROVEMENTS OVER CERTAIN PROPERTY LOCATED WITHIN THE CITY.

NOTICE IS HEREBY GIVEN THAT the City Council (the "City Council") of the City of Baytown, Texas (the "City"), pursuant to Chapter 372 of the Texas Local Government Code, as amended (the "Act"), will hold a public hearing at **6:30 p.m. on December 9, 2021**, in the **City Council Chamber at Baytown City Hall, 2401 Market Street, Baytown, Texas 77520** for the purpose of considering the establishment by the City of a public improvement district to be located within the extraterritorial jurisdiction of the City.

In accordance with the Act, the City Council has received a petition (the "Petition") from certain property owners within the extraterritorial jurisdiction of the City (the "Petitioners"), that requests the establishment of a public improvement district (the "PID"). The Petition and the legal description of the property to be included in the PID are on file and open for public inspection in the office of the City Clerk at 2401 Market Street, Baytown, Texas 77520. The public hearing is being held with respect to the advisability of creating the PID and the improvements to be made therein.

GENERAL NATURE OF THE AUTHORIZED IMPROVEMENTS: The general nature of the proposed public improvements (collectively, the "Authorized Improvements"): (i) street and roadway improvements, including related sidewalks, drainage, utility relocation, signalization, landscaping, lighting, signage, off-street parking and right-of-way; (ii) establishment or improvement of parks and open space, together with the design, construction and maintenance of any ancillary structures, features or amenities such as trails, playgrounds, walkways, lighting and any similar items located therein; (iii) sidewalks and landscaping, including entry monuments and features, fountains, lighting and signage; (iv) acquisition, construction and improvement of water, wastewater and drainage improvements and facilities (v) projects similar to those listed in subsections (i) - (iv) above authorized by the Act, including similar off-site projects that provide a benefit to the property within the District; (vi) payment of costs associated with operating and maintaining the public improvements listed in subparagraphs (i) - (v) above; and (vii) payment of costs associated with developing and financing the public improvements listed in subparagraphs (i) - (v) above, and costs of establishing, administering and operating the District. These Authorized Improvements shall promote the interests of the City and confer a special benefit upon the Property.

ESTIMATED COST OF THE AUTHORIZED IMPROVEMENTS: The estimated cost to design, acquire and construct the Authorized Improvements, together with bond issuance costs, eligible legal and financial fees, eligible credit enhancement costs and eligible costs incurred in the establishment, administration and operation of the PID is $20,000,000 plus the annual cost of operation and maintenance, if any. The City will pay no costs of the Authorized Improvements or operation and maintenance costs from funds other than assessments levied on property within the PID. The remaining costs of the proposed improvements will be paid from sources other than those described above.

PROPOSED METHOD OF ASSESSMENT: The City shall levy assessments on each parcel within the PID in a manner that results in the imposition of an equal share of the costs of the Authorized Improvements on property similarly benefitted by such Authorized Improvements. The proposed method of assessment shall be based upon (i) an equal apportionment per lot, per front foot, or per square foot of property benefiting from the Authorized Improvements, as determined by the City, (ii) the ad valorem taxable value of the property benefiting from the Authorized Improvements, with or without regard to improvements on the property, or (iii) in any manner that results in imposing equal shares of the cost on property similarly benefitted.

PROPOSED APPORTIONMENT OF COSTS BETWEEN THE CITY AND THE PID: The City will not be obligated to provide any funds to finance the Authorized Improvements. All of the costs of the Authorized Improvements will be paid from assessments levied on properties in the PID and from other sources of funds available to the Petitioners.

BOUNDARIES OF THE PROPOSED PID: Approximately 63.615 acres of land within the City of Baytown, Harris County, Texas. Said property being generally located 397 feet north of the Hunt Road and N. Main St. intersection, and is APPROXIMATELY 2,010 FT south of the I-10 East frontage road and N. Main St. intersection, and is APPROXIMATELY 2,050 FT east of the Hunt Road and Garth Road intersection, and is located on the west side of N. Main Street. **A metes and bounds description is available for inspection at the offices of the City Clerk at the location described above.**

All interested persons are invited to attend such public hearing to express their views with respect to the establishment of the PID and the Authorized Improvements to be made therein.

This Notice of Public Hearing is given and the public hearing is being held pursuant to the requirements of the Act.

THE CITY OF BAYTOWN, TEXAS

Advertising Assistant

The Baytown Sun is in search of a part-time advertising assistant willing to learn the procedures of retail and classified advertising departments. It requires strong communication and organizational skills, and the ability to multi-task. Must be dependable, hard working and self confident. Primary responsibilities will be to support the advertising director and sales staff, administrative duties, answering phones, processing sales paperwork and filling in for vacations and sick days. This position has a wide range of duties that basically involves helping with all advertising functions in retail and classified advertising. Learn how to help promote small businesses in the community through the newspapers, glossy magazines, digital platforms, social media and more.

Email resume to:
carol.skewes@baytownsun.com

The Baytown Sun

RATES & INFO

281-425-8008

classifieds@baytownsun.com

NOTICE OF PUBLIC MEETING TO DISCUSS GOOSE CREEK CISD's STATE FINANCIAL ACCOUNTABILITY RATING

Goose Creek CISD will hold a Public meeting at 6:00 p.m., on December 6, 2021 in the Board Room in the School Administration Building at 4544 I-10 East, Baytown, Texas

The purpose of this meeting is to discuss Goose Creek CISD's rating on the state's financial accountability system

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Notice of Draft Federal Operating Permit

Draft Permit No.: O1610

Application and Draft Permit. Eco Services Operations Corp., 2002 Timberloch Pl Ste 300, The Woodlands, TX 77380-1182, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Federal Operating Permit (herein referred to as Permit) No. O1610, Application No. 31926, to authorize operation of the Baytown Plant, an All Other Basic Inorganic Chemical Manufacturing facility. The area addressed by the application is located at 3439 Park Street in Baytown, Harris County, Texas 77520. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to the application. You can find an electronic map of the facility at: http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=29.7475&lng=-95.001944&zoom=13&type=r. This application was received by the TCEQ on February 8, 2021.

The purpose of a federal operating permit is to improve overall compliance with the rules governing air pollution control by clearly listing all applicable requirements, as defined in Title 30 Texas Administrative Code § 122.10 (30 TAC § 122.10). The draft permit, if approved, will codify the conditions under which the area must operate. The permit will not authorize new construction. The executive director has completed the technical review of the application and has made a preliminary decision to prepare a draft permit for public comment and review. The executive director recommends issuance of this draft permit. The permit application, statement of basis, and draft permit will be available for viewing and copying at the TCEQ Central Office, 12100 Park 35 Circle, Building E, First Floor, Austin, Texas 78753; the TCEQ Houston Regional Office, 5425 Polk St Ste H, Houston, Texas 77023-1452; and the Baytown Sterling Municipal Library, 1 Mary Elizabeth Wilbanks Avenue, Baytown, Texas 77520-4258, beginning the first day of publication of this notice. The draft permit and statement of basis are available at the TCEQ Website:

www.tceq.texas.gov/goto/tvnotice

At the TCEQ central and regional offices, relevant supporting materials for the draft permit, as well as the New Source Review permits which have been incorporated by reference, may be reviewed and copied. Any person with difficulties obtaining these materials due to travel constraints may contact the TCEQ central office file room at (512) 239-2900.

Public Comment/Notice and Comment Hearing. Any person may submit written comments on the draft permit. Comments relating to the accuracy, completeness, and appropriateness of the permit conditions may result in changes to the draft permit.

A person who may be affected by the emission of air pollutants from the permitted area may request a notice and comment hearing. The purpose of the notice and comment hearing is to provide an additional opportunity to submit comments on the draft permit. The permit may be changed based on comments pertaining to whether the permit provides for compliance with 30 TAC Chapter 122 (examples may include that the permit does not contain all applicable requirements or the public notice procedures were not satisfied). The TCEQ may grant a notice and comment hearing on the application if a written hearing request is received within 30 days after publication of the newspaper notice. The hearing request must include the basis for the request, including a description of how the person may be affected by the emission of air pollutants from the application area. The request should also specify the conditions of the draft permit that are inappropriate or specify how the preliminary decision to issue or deny the permit is inappropriate. All reasonably ascertainable issues must be raised and all reasonably available arguments must be submitted by the end of the public comment period. If a notice and comment hearing is granted, all individuals that submitted written comments or a hearing request will receive written notice of the hearing. This notice will identify the date, time, and location for the hearing.

Written public comments and/or requests for a notice and comment hearing should be submitted to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087, or electronically at www14.tceq.texas.gov/epic/eComment/ and be received within 30 days after the date of newspaper publication of this notice. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record.

A notice of proposed final action that includes a response to comments and identification of any changes to the draft permit will be mailed to everyone who submitted public comments, a hearing request, or requested to be on the mailing list for this application. This mailing will also provide instructions for public petitions to the U.S. Environmental Protection Agency (EPA) to request that the EPA object to the issuance of the proposed permit. After receiving a petition, the EPA may only object to the issuance of a permit which is not in compliance with the applicable requirements or the requirements of 30 TAC Chapter 122.

Mailing List. In addition to submitting public comments, a person may ask to be placed on a mailing list for this application by sending a request to the Office of the Chief Clerk at the address above. Those on the mailing list will receive copies of future public notices (if any) mailed by the Chief Clerk for this application.

Information. For additional information about this permit application or the permitting process, please contact the Texas Commission on Environmental Quality, Public Education Program, MC-108, P.O. Box 13087, Austin, Texas 78711-3087 or toll free at 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained for Eco Services Operations Corp. by calling Mr. Rock Demarais at (713) 924-1434.

Notice Issuance Date: October 13, 2021

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Eco Services Operations Corp.
Permit No.: O1610
Notice of Draft Federal Operating Permit

ALTERNATIVE LANGUAGE AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §
COUNTY OF HARRIS **§**

Before me, the undersigned authority, on this day personally appeared

Caleb Avila, who being by me duly sworn, deposes and says that (s)he is *(Name of Person Representing Newspaper)*

the owner *(Title of Person Representing Newspaper)* of the El Perico *(Name of the Newspaper)*;

that said newspaper is generally circulated in Baytown, Harris County, Texas; *(The **municipality or county** in which the site or proposed site is located)*

that the enclosed notice was published in said newspaper on the following date(s):
November 21, 2021

(Newspaper Representative's Signature)

Subscribed and sworn to before me this the 21 day of November, 2021
to certify which witness my hand and seal of office.

Notary Public in and for the State of Texas

[Seal]

MANUEL C RODRIGUEZ NOTARY PUBLIC STATE OF TEXAS ID 129589825 EXP 04-17-2022

Manuel Rodriguez
Print or Type Name of Notary Public

4-17-2022
My Commission Expires

COMISIÓN DE CALIDAD AMBIENTAL DE TEXAS

Aviso de un Permiso Federal de Operación Preliminar

Permiso Preliminar Número: O1610

Solicitud y Permiso Preliminar. Eco Services Operations Corp., 2002 Timberloch Pl Ste 300, The Woodlands, TX 77380-1182, **ha presentado una solicitud ante la** Comisión de Calidad Ambiental de Texas (TCEQ, por *sus siglas en inglés*) para la renovación del Permiso Federal de Operación (en adelante denominado el Permiso) Número O1610, Solicitud Número 31926, para autorizar la operación de la Planta de Baytown, una instalación de Fabricación de Todos Los Otros Químicos Inorgánicos Básicos. El área a la cual se refiere la solicitud está ubicada en 3439 Park Street en Baytown, Condado de Harris, Texas 77520. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. Puede encontrar un mapa electrónico de la instalación en: http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=29.7475&lng=-95.0019444&zoom=13&type=t. Esta solicitud fue recibida por la TCEQ el 8 de febrero de 2021.

El propósito de un permiso federal de operación es mejorar el acatamiento general con las normas que gobiernan el control de la contaminación atmosférica, claramente definiendo todos los requisitos aplicables como están definidos en el Título 30 del Código Administrativo de Texas § 122.10 (30 TAC § 122.10, *por sus siglas en inglés*). El permiso preliminar, si es aprobado, codificará las condiciones bajo las cuales el área debe operar. El permiso no autorizará construcción nueva. El director ejecutivo ha concluido la revisión técnica de la solicitud y ha hecho una decisión preliminar para preparar el permiso preliminar para la revisión y comentario público. El director ejecutivo recomienda la expedición de este permiso preliminar. La solicitud de permiso, la declaración de base y el permiso preliminar estarán disponibles para ser revisados y copiados en la Oficina Central de la TCEQ, 12100 Park 35 Circle, Building (Edificio) E, First Floor (Primer Piso), **Austin, Texas 78753; en la Oficina Regional de la TCEQ en Houston, 5425 Polk St Ste H, Houston, Texas 77023-1452, y en la Biblioteca Baytown Sterling Municipal, 1 Mary** Elizabeth Wilbanks Avenue, Baytown, **Texas 77520-4255, empezando el primer día de la publicación de este aviso. El permiso preliminar y la declaración de base están** disponibles en el sitio web de la TCEQ:

www.tceq.texas.gov/goto/tvnotice

En la oficina central y la oficina regional también puede revisar y copiar documentos pertinentes para el permiso preliminar, así como los permisos para la Evaluación de Nuevas Fuentes que han sido incorporados por referencia. Cualquier persona que tenga dificultades obteniendo estos materiales debido a restricciones para viajar **pueden comunicarse con la sala de archivos de la oficina central de la TCEQ al (512) 239-2900.**

Comentarios/Notificación Pública y Audiencia. Cualquier persona puede entregar comentarios públicos sobre el permiso preliminar. Comentarios relacionados a la exactitud, lo completo, y lo apropiado de las condiciones del permiso pueden resultar en cambios al permiso preliminar.

Una persona que podría ser afectada por la emisión de contaminantes atmosféricos del área del sitio del permiso puede solicitar una audiencia de aviso y comentarios. El propósito de la audiencia de notificación y comentarios es para proporcionar la oportunidad para entregar comentarios sobre el permiso preliminar. El permiso puede ser cambiado a razón de los comentarios relacionados a en el permiso provee el cumplimiento con 30 TAC Capítulo 122 (ejemplos pueden incluir que el permiso no tiene todos los requisitos aplicables que correspondan o si no se cumplieron los procedimientos de *aviso público*). La TCEQ puede otorgar una audiencia de aviso y comentarios con respecto a esta solicitud si se recibe una petición por escrito dentro de los treinta días después de la publicación del anuncio en el periódico. La solicitud de audiencia debe incluir la base de la solicitud, incluyendo una descripción de como la persona puede ser afectada por la emisión de contaminantes atmosféricos del área de la solicitud. La solicitud también debería especificar las condiciones del permiso preliminar que son inapropiados o especificar como la decisión preliminar para expedir o denegar el permiso es inapropiado. Todos los asuntos razonablemente verificables **deben** ser planteados y todos los argumentos razonablemente disponibles **deben** ser entregados a no más tardar al final del período de comentarios públicos. Si se concede una audiencia de aviso y comentario, todos los individuos que presentaron comentarios por escrito o una solicitud de audiencia recibirán confirmación por escrito de la audiencia. Esta confirmación indicará la fecha, hora y lugar de la audiencia.

Comentarios públicos por escrito y/o peticiones para una audiencia de aviso y comentarios deberían ser presentados a la Comisión de Calidad Ambiental de Texas (TCEQ). Oficina del Secretario Oficial (Office of the Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087, o electrónicamente al www14.tceq.texas.gov/epic/eComment/, **dentro de 30 días después de la fecha de publicación en el periódico de este aviso.** Favor de estar consciente que cualquier información de contacto que provea, incluyendo su nombre, número de teléfono, correo electrónico y su dirección postal vendrán a formar parte del registro público de la agencia.

Un aviso de la acción final propuesta que incluye una respuesta a los comentarios y denotando cualquier cambio al permiso preliminar, será enviado a todas las personas que hayan presentado comentarios públicos, una solicitud de audiencia o que hayan solicitado ser incluidos en la lista de correo sobre esta solicitud. Este envío de correo también proveerá instrucciones para hacer peticiones públicas a la Agencia de Protección Ambiental (EPA, *por sus siglas en inglés*), para solicitar que la EPA se oponga a la expedición del permiso preliminar. Después de recibir una petición, la EPA solamente podrá objetar a la expedición de un permiso que no cumple con los requisitos aplicables o los requisitos del 30 TAC Capítulo 122.

Lista para Envío de Correo. Aparte de entregar comentarios públicos, usted puede solicitar ser incluido en una lista para envío de correo con respecto a esta solicitud al enviar su petición a la Oficina del Secretario Oficial (Office of the Chief Clerk) a la dirección que se encuentra de arriba. Los que se encuentran en la lista para envío de correo recibirán copias de avisos públicos futuros (si hay) para esta solicitud enviados por correo por el Secretario Oficial.

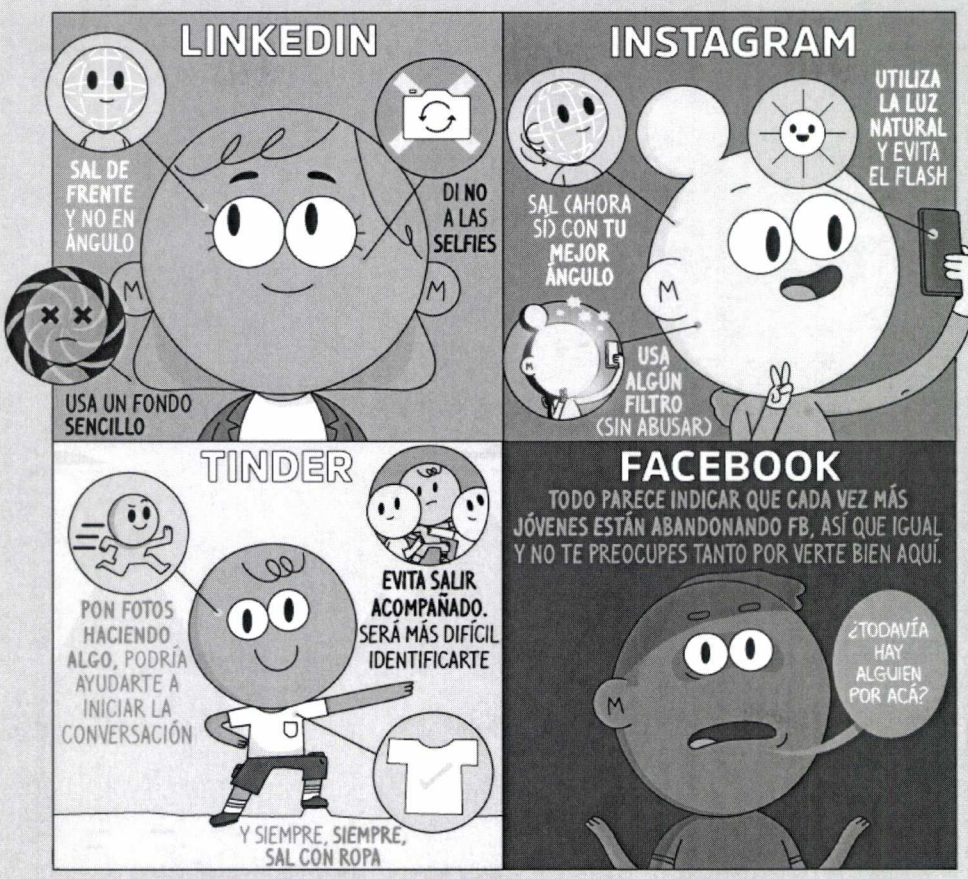
Información. Para más información con respecto a esta solicitud de permiso o el proceso de permisos, favor de contactar la Comisión de Calidad Ambiental de Texas (Texas Commission on Environmental Quality), Programa de Educación del Público (Public Education Program), MC-108, P.O. Box 13087, Austin, Texas 78711-3087 o llamar sin cargo, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Puede obtener más información sobre Eco Services Operations Corp. llamando al Sr. Rock Demarais al (713) 924-1474.

Fecha de Expedición de Aviso: 13 de octubre de 2021

PHOTO GAME STRONG

CÓMO MEJORAR TUS FOTOS DE INTERNET SEGÚN ALGUNOS VLOGGERS, EXPERTOS MAQUILLISTAS E INFLUENCERS.



FUENTES: "Teens are abandoning Facebook in dramatic numbers, study finds" **The Guardian** | "Seis tips para tomar la 'workselfie' ideal para LinkedIn" **CNN** | "Tinder founder Sean Rad's top tips for the perfect profile" **GQ** | "How To Take A Good Selfie" **Allure.**

PICTOLINE

Paul Worrall

From: Kay Lewis <KLewis@trinityconsultants.com>
Sent: Monday, November 29, 2021 2:53 PM
To: PROOFS
Cc: Rock Demarais(Houston); Adam Mielnicki
Subject: Permit O1610 - Eco Services Operations Corp. - Affidavits and Tearsheets
Attachments: Eco Services-O1610- Affidavits and Tearsheets.pdf

Good afternoon,

Please find attached the items below for Public Notice requirements for Eco Services Operations Corp., Baytown Plant, Permit No. O1610. (RN100211317; CN605004464)

- Completed English Publisher's Affidavit
- English Newspaper Tearsheet
- Completed Alternative Language Publisher's Affidavit
- Spanish Newspaper Tearsheet with Spanish Notice

Thank you,

Kayla Lewis
Technical Assistant

Trinity Consultants
1800 West Loop South, Suite 1000 | Houston, TX 77027

Office: 713-552-1371 | Mobile: 832-887-8184
Email: klewis@trinityconsultants.com

THE HONORABLE CAROL ALVARADO
TEXAS SENATE
DISTRICT ROOM 3E.2
TEXAS STATE CAPITOL
carol.alvarado@senate.texas.gov

THE HONORABLE PAUL BETTENCOURT
TEXAS SENATE
DISTRICT ROOM 3E.16
TEXAS STATE CAPITOL
Paul.bettencourt@senate.texas.gov

THE HONORABLE BRANDON CREIGHTON
TEXAS SENATE
DISTRICT ROOM E1.606
TEXAS STATE CAPITOL
Brandon.Creighton@senate.texas.gov

THE HONORABLE JOAN HUFFMAN
TEXAS SENATE
DISTRICT ROOM 1E.15
TEXAS STATE CAPITOL
joan.huffman@senate.texas.gov

THE HONORABLE LOIS KOLKHORST JR
TEXAS SENATE
DISTRICT ROOM GE.4
TEXAS STATE CAPITOL
Lois.Kolkhorst@senate.texas.gov

THE HONORABLE BORRIS MILES
TEXAS SENATE
DISTRICT ROOM 3E.12
TEXAS STATE CAPITOL
Borris.miles@senate.texas.gov;
Rob.Borja@senate.texas.gov

THE HONORABLE LARRY TAYLOR
TEXAS SENATE
DISTRICT ROOM 1E.9
TEXAS STATE CAPITOL
Larry.taylor@senate.texas.gov

THE HONORABLE JOHN WHITMIRE
TEXAS SENATE
DISTRICT 15 ROOM 1E.13
TEXAS STATE CAPITOL
John.whitmire@senate.texas.gov

THE HONORABLE MIKE SCHOFIELD
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E1.402
TEXAS STATE CAPITOL
mike.schofield@house.texas.gov

THE HONORABLE ALMA A ALLEN
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM GW.5
TEXAS STATE CAPITOL
alma.allen@house.texas.gov;
district131.allen@house.texas.gov;
christina.jaramillo@house.texas.gov

THE HONORABLE BRISCOE CAIN
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E1.418
TEXAS STATE CAPITOL
Briscoe.cain@house.texas.gov

THE HONORABLE GARNET F COLEMAN
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM 4N.10
TEXAS STATE CAPITOL
Garnet.coleman@house.texas.gov

THE HONORABLE SAM HARLESS
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E2.416
TEXAS STATE CAPITOL
sam.harless@house.texas.gov

THE HONORABLE ANA HERNANDEZ LUNA
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM 4S.3
TEXAS STATE CAPITOL
Ana.hernandez@house.texas.gov

THE HONORABLE DAN HUBERTY
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E2.408
TEXAS STATE CAPITOL
dan.huberty@house.texas.gov

THE HONORABLE LACEY HULL
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM GS.6
TEXAS STATE CAPITOL
lacey.hull@house.texas.gov

THE HONORABLE ANN JOHNSON
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM GN.7
TEXAS STATE CAPITOL
ann.johnson@house.texas.gov

THE HONORABLE JARVIS JOHNSON
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E1.424
TEXAS STATE CAPITOL
Jarvis.Johnson@house.texas.gov

THE HONORABLE CHRISTINA MORALES
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E2.910
TEXAS STATE CAPITOL
christina.morales@house.texas.gov

THE HONORABLE JIM MURPHY
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E1.506
TEXAS STATE CAPITOL
jim.murphy@house.texas.gov

THE HONORABLE TOM OLIVERSON
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E2.720
TEXAS STATE CAPITOL
Tom.oliverson@house.texas.gov

THE HONORABLE MARY ANN PEREZ
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E1.212
TEXAS STATE CAPITOL
Maryann.perez@house.texas.gov

THE HONORABLE JON ROSENTHAL
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM 4N.3
TEXAS STATE CAPITOL
jon.rosenthal@house.texas.gov

THE HONORABLE PENNY SHAW MORALES
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM 3N.6
TEXAS STATE CAPITOL
penny.moralesshaw@house.texas.gov

THE HONORABLE VALOREE SWANSON
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E2.802
TEXAS STATE CAPITOL
Valoree.swanson@house.texas.gov

THE HONORABLE SHAWN THIERRY
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E2.320
TEXAS STATE CAPITOL
Shawn.thierry@house.texas.gov

THE HONORABLE HUBERT VO
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM 4N.8
TEXAS STATE CAPITOL
Hubert.vo@house.texas.gov

THE HONORABLE GENE WU
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT ROOM E2.718
TEXAS STATE CAPITOL
Gene.wu@house.texas.gov

THE HONORABLE DENNIS PAUL
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT 129 ROOM E2.814
TEXAS STATE CAPITOL
Dennis.paul@house.texas.gov

THE HONORABLE SENFRONIA THOMPSON
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT 141 ROOM 3S.06
TEXAS STATE CAPITOL
Senfronia.thompson@house.texas.gov;
Milda.Mora@house.texas.gov

01610

10.15.2021

THE HONORABLE HAROLD V DUTTON JR
TEXAS HOUSE OF REPRESENTATIVES
DISTRICT 142 ROOM 3N.5
TEXAS STATE CAPITOL
Harold.dutton@house.texas.gov

STAFF LEGAL COUNSEL
GULF COAST WASTE DISPOSAL AUTH
910 BAY AREA BLVD
HOUSTON TX 77058-2604

DIRECTOR
HARRIS CO PUB HLTH & ENVIRO &
STE H
101 S RICHEY ST
PASADENA TX 77506

HARRIS COUNTY ATTORNEY
FLOOR 15
1019 CONGRESS ST
HOUSTON TX 77002-1700

ENVIRONMENTAL DEPT
HARRIS COUNTY FLOOD CONTROL DI
9900 NORTHWEST FWY
HOUSTON TX 77092-8601

HARRIS COUNTY JUDGE
COUNTY COURTHOUSE
1001 PRESTON ST STE 911
HOUSTON TX 77002-1817

PUBLIC HEALTH & ENVIRO
HARRIS COUNTY MOSQUITO CONTROL
BLDG D
3330 OLD SPANISH TRL
HOUSTON TX 77021-2268

ENVIRONMENTAL AFFAIRS
PORT OF HOUSTON
PO BOX 2562
HOUSTON TX 77252-2562

SAN JACINTO RIVER AUTHORITY
1577 DAM SITE RD
CONROE TX 77304-4107

PUBLIC HEALTH REGION 6/5
TEXAS DEPARTMENT OF STATE HEAL
5425 POLK ST STE J420
HOUSTON TX 77023-1444

US ARMY CORPS OF ENGINEERS
ENVIRO REG BRANCH PE-R GALVESTON
PO BOX 1229
GALVESTON TX 77553-1229

FIELD SUPERVISOR
US FISH & WILDLIFE SERVICE
17629 EL CAMINO REAL STE 211
HOUSTON TX 77058-3051

LATRICE BABIN ENVIRO PUB H
HARRIS COUNTY PUB HLTH & ENVIR
STE G
101 S RICHEY ST
PASADENA TX 77506-1031

MICHAEL TURCO GENERAL MANA
HARRIS-GALVESTON COASTAL SUBSI
1660 W BAY AREA BLVD
FRIENDSWOOD TX 77546-2640

LAURALEE VALLON GENERAL CO
BRAZOS RIVER AUTHORITY
4600 COBBS DR
PO BOX 7555
WACO TX 76714-7555

TERESA LENOIR LEGISLATIVE AIDE TO
STATE REP DR ALMA ALLEN
PO BOX 2910
AUSTIN TX 78768-2910

CALEB AVILA
EL PERICO SPANISH NEWSPAPER
PO BOX 276
PORT NECHES TX 77651-0276

ESPERANZA BECERRA
LA PRENSA DE HOUSTON
STE 217
7100 REGENCY SQUARE BLVD
HOUSTON TX 77036-3202

DEVIN D BENSON
BENSON & JONES PLLC
STE 550
745 E MULBERRY AVE
SAN ANTONIO TX 78212-3163

JACK COBLENZ
SOURCE ENVIRONMENTAL SCIENCES INC
2060 NORTH LOOP W STE 140
HOUSTON TX 77018-8147

MR ISAAC H DESOUZA
HOUSTON DEPARTMENT OF HEALTH AND H
ROOM 216C
7411 PARK PLACE BLVD
HOUSTON TX 77087-4441

SANDRA GARCIA
PUEBLO SPANISH NEWSPAPER
STE 56
2001 JENKINS RD
PASADENA TX 77506-5064

WENDY GUTIERREZ
EL OBSERVADOR NEWS
12205 ZAVALLA ST APT 6
HOUSTON TX 77085-1148

CORY R JUBY
826 LINGER LN
AUSTIN TX 78721-3650

RYAN SAXTON
1708 TREVILIAN WAY
LOUISVILLE KY 40205-2057

SAL SOLIS
PO BOX 398
HOUSTON TX 77001-0398

SAL GIOVANNI SOLIS
PO BOX 920648
HOUSTON TX 77292-0648

IRVIN A UPHOFF
195 HALL DR S
MONTGOMERY TX 77316-3789

GWENDOLYN HILL WEBB
4TH FL
900 BAGBY ST
HOUSTON TX 77002-2527

GWENDOLYN HILL WEBB
PO BOX 368
HOUSTON TX 77001-0368

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 13, 2021

MR JEFF SCHIPPERS
VICE PRESIDENT
ECO SERVICES OPERATIONS CORP
2002 TIMBERLOCH PL STE 300
THE WOODLANDS TX 77380-1182

Re: Draft Federal Operating Permit Approval and Public Notice Authorization
Renewal
Permit Number: O1610
Eco Services Operations Corp.
Baytown Plant
Baytown, Harris County
Regulated Entity Number: RN100211317
Customer Reference Number: CN605004464

Dear Mr. Schippers:

The executive director has completed the technical review of your application as required by the Texas Clean Air Act (TCAA) § 382.0517, as codified in the Texas Health and Safety Code, and has determined that the above-referenced application is administratively complete on March 29, 2021. This letter provides notice of the following:

- instructions describing how to **publish notice** for the draft permit; and

- the executive director's proposed final action is to submit a draft federal operating permit (FOP), which serves as a proposed permit, to the U.S. Environmental Protection Agency (EPA) for **EPA review** to run concurrently with the public notice comment period, unless public comments are received or the executive director grants a hearing request. If EPA review is not concurrent, the EPA review period shall begin no earlier than the close of the public comment period or date of the hearing.

The Form OP-ACPS (Application Compliance Plan and Schedule) submitted with the permit application is still valid for all applicable requirements in the attached draft operating permit, including new source review authorizations. If the Form OP-ACPS is no longer correct for any reason, please submit updated Form OP-ACPS, including an updated compliance plan to Ms. Jasmine Yuan, Ph.D., P.E., Air Permits Division. This updated compliance plan must be approved by the Texas Commission Environmental Quality (TCEQ) and added to the FOP before publication.

Public Notice
The TCEQ has prepared a draft permit for your final review and approval. The draft permit and statement of basis are available at the TCEQ Website:

www.tceq.texas.gov/goto/tvnotice

You are now required to publish notice for the draft permit. To help you meet the requirements associated with this notice, we have enclosed the following items:

- Instructions for Public Notice
- Public Notice Checklist
- Notice for Newspaper Publication and Sign Posting
- Affidavit of Publication for Air Permitting (Form TCEQ-20479) and Alternative Language Affidavit of Publication for Air Permitting (Form TCEQ-20480)

Please note that it is **very important** that you follow **all** directions in the enclosed instructions. If you do not, you may be required to republish the notice. A common mistake is the unauthorized changing of notice wording or font. If you have any questions, please contact us before you proceed with publication.

A "Public Notice Checklist" is enclosed which notes the time limitations for each step of the public notice process. This checklist should be used as a tool in conjunction with the enclosed, detailed instructions.

EPA Review
In accordance with Title 30 Texas Administrative Code § 122.350 (30 TAC § 122.350), the procedural requirements of 30 TAC § 122.320 of this title (relating to Public Notice), 30 TAC § 122.322 of this title (relating to Bilingual Public Notice), and the requirements for EPA review under this section may run concurrently. However, if any person submits comments, or the executive director grants a hearing request, the requirement for EPA review may not run concurrently with the period for public notice. If comments are received, the executive director will submit the comments, responses, to the comments a proposed permit and a statement of basis to the EPA and shall restart the 45-day EPA review.

If the EPA does not file an objection to a proposed FOP, or the objection is resolved, the TCEQ will issue the FOP. Any person affected by the decision of the TCEQ, including the applicant, may petition the EPA in accordance with TCAA § 382.0563, as codified in the Texas Health and Safety Code, and 30 TAC § 122.360 within 60 days of the expiration of the EPA's 45-day review period. The petition shall be based only on objections to the permit raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such objections within the public comment period, or the grounds for such objections arose after the public comment period. Additional requirements for the content and formatting of petitions are specified in Title 40 Code of Federal Regulations Part 70 (40 CFR § 70.12).

The EPA may only object to the issuance of any proposed permit that is not in compliance with the applicable requirements or the requirements of this chapter. The 60-day public petition period will begin on the day after the last day of the EPA review period. Public petitions should be submitted to the TCEQ,

the applicant and the EPA. Instructions on submitting a public petition to the EPA are available at the EPA website:

https://www.epa.gov/title-v-operating-permits/title-v-petitions

Public petitions should be submitted to the TCEQ at the following address:

Texas Commission Environmental Quality
Attn: Mr. Samuel Short, Deputy Director
Air Permits Division, MC-163
P.O. Box 13087
Austin, Texas 78711-3087

The TCEQ will make the draft FOP, the statement of basis, FOP application, compliance certification, and if applicable, the compliance plan and monitoring reports available to the public, EPA, and to the affected states and local programs as needed. If you do not comply with **all** requirements described in the instructions, further processing of your application may be suspended and your application voided, or the agency may take other action.

Thank you for your cooperation in this matter. If you have any questions regarding publication requirements, please contact the Office of the Chief Clerk at (512) 239-3300. If you have any other questions, please contact Ms. Jasmine Yuan, Ph.D., P.E. at (512) 239-6090.

Sincerely,

Jesse E. Chacon, P.E., Manager
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality

cc: Mr. Rock Demarais, Environmental Specialist, Eco Services Operations Corp., Houston
Mr. Michael Marchut, Plant Manager, Eco Services Operations Corp., Baytown
Director, Harris County, Pollution Control Services, Pasadena
Air Section Manager, Region 12 - Houston

Project Number: 31926

Public Notice Checklist

Notice of Draft Federal Operating Permit
(Title V Notice)

The following tasks must be completed for public notice. If publication in an alternative language is required, please complete the tasks for both the English and alternative language publications. Detailed instructions are included in the "Instructions for Public Notice" section of this package.

Within 30 calendar days after date of this letter
Publish *Notice of Draft Federal Operating Permit* in "public notice" section of newspaper. Review for accuracy prior to publishing. Provide copy of complete application, including any subsequent revisions, statement of basis, and the draft permit at a public place for review and copying. Keep them there for duration of the designated comment period. Prepare signs.
First day of newspaper publication
Review published newspaper notice for accuracy. Post signs and keep them up for duration of the designated comment period. Ensure copy of complete application, including any subsequent revisions, statement of basis, and the draft permit are at the public place.
Within 2 business days after date of publication
Fax proof of publication to Ms. Jasmine Yuan, Ph.D., P.E. in Air Permits Division at 512-239-1300 or send it by e-mail to Jasmine.Yuan@tceq.texas.gov.
Within 10 business days after date of publication
Proof of publication showing publication date and newspaper name should be emailed to PROOFS@tceq.texas.gov or mailed to: Texas Commission on Environmental Quality Office of the Chief Clerk, MC-105 Attn: Notice Team P.O. Box 13087 Austin, Texas 78711-3087 Mail photocopies of proof of publication showing publication date and newspaper name to TCEQ Regional Office and each local program with jurisdiction over your site.
Within 30 calendar days after date of publication
The affidavit of publication for air permitting and alternative language affidavit of publication for air permitting (if applicable) should be emailed to PROOFS@tceq.texas.gov or mailed to: Texas Commission on Environmental Quality Office of the Chief Clerk, MC-105 Attn: Notice Team P.O. Box 13087 Austin, Texas 78711-3087 Mail photocopies of affidavits to Ms. Jasmine Yuan, Ph.D., P.E. in Air Permits Division or send it by e-mail to Jasmine.Yuan@tceq.texas.gov.
Within 10 business days after end of the designated comment period
Public Notice Verification Form and Form OP-CRO1 should be emailed to PROOFS@tceq.texas.gov or mailed to: Texas Commission on Environmental Quality Office of the Chief Clerk, MC-105 Attn: Notice Team P.O. Box 13087 Austin, Texas 78711-3087 Mail photocopies of Public Notice Verification Form and Form OP-CRO1 to Ms. Jasmine Yuan, Ph.D., P.E. in Air Permits Division or send it by e-mail to Jasmine.Yuan@tceq.texas.gov.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Instructions for Public Notice For Federal Operating Permit

Notice of Draft Federal Operation Permit

We have completed the technical review of your application and have prepared a draft federal operating permit (FOP) for public notice. The draft FOP and statement of basis are available at the Texas Commission on Environmental Quality (TCEQ or Commission) Website:

www.tceq.texas.gov/goto/tvnotice

You must comply with the following instructions:

Draft Permit Review

The draft FOP is available for your final review and approval. During technical review of the application, the permit reviewer coordinated with you or your technical contact to address and resolve any outstanding issues. Contact the permit reviewer listed in the cover letter immediately if you have any questions related to the draft FOP.

Notice Review

Included in the notice is all of the information which the commission believes is necessary to effectuate compliance with applicable public notice requirements. Please read it carefully and notify the permit reviewer listed in the cover letter immediately if it contains any errors or omissions. You are responsible for ensuring the accuracy of all information published. You may not change the text of the notice without prior approval from the TCEQ.

Newspaper Notice

- You must publish the enclosed *Notice of Draft Federal Operating Permit* **as soon as practical but no later than 30 calendar days** after the date on the cover letter with these instructions.

- You must publish the enclosed *Notice of Draft Federal Operating Permit*, at your expense, in the public notice section of one issue of a newspaper of general circulation in the municipality in which the site or proposed site is located, or the municipality nearest to the location of the site or proposed site.

- The bold text of the enclosed notice must be printed in the newspaper in a font style or size that distinguishes it from the rest of the notice (i.e., **bold**, *italics*). **Failure to do so may require re-notice.**

Alternative Language Notice

In certain circumstances, an applicant for an FOP must complete notice in alternative languages.

- Public notice rules require the applicant to determine whether a bilingual program is required at either the elementary or middle school nearest to the facility or proposed facility location. Bilingual education programs are determined on a district-wide basis. When students who are

required to attend either school are eligible to be enrolled in a bilingual education program, some alternative language notice is required (newspaper notice).

- Since the school district, and not the schools, must provide the bilingual education program, these programs do not have to be located at the elementary or middle schools nearest to the facility or proposed facility to trigger the alternative language notice requirement. Alternative language notice is required when students who would normally attend the nearest schools are eligible to be taught in a bilingual education program at a different location.

- If triggered, publications of alternative language notices must be made in a newspaper or publication printed primarily in each language taught in the bilingual education program. This notice is required if such a newspaper or publication exists in the municipality or the county where the facility is located or proposed to be located.

- The applicant must demonstrate a good faith effort to identify a newspaper or publication in the required language. If a newspaper or publication of general circulation published at least once a month in such language cannot be found, publishing in that language is not required, but signs must still be posted adjacent to each English language sign.

- The applicant has the burden to demonstrate compliance with these requirements. You must fill out the ***Public Notice Verification Form (TCEQ-20244)*** indicating your compliance with the requirements regarding publication in an alternative language. **This form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html**.

- It is suggested the applicant work with the local school district to do the following:

  (a) determine if a bilingual program is required in the district;
  (b) determine which language is required by the bilingual program;
  (c) locate the nearest elementary and middle schools; and
  (d) determine if any students attending either school are eligible to be enrolled in a bilingual educational program.

- **If you determine that you must meet the alternative language notice requirements, you are responsible for ensuring that the publication in the alternative language is complete and accurate in that language. Since the most common bilingual programs are in Spanish, the TCEQ has provided example Spanish notice templates for your use. All italic notes should be replaced with the corresponding Spanish translations for the specific application and published in the alternative language publication. Electronic versions of the Spanish templates are available through the Air Permits Division Web site at www.tceq.texas.gov/goto/air/publicnotice**.

- If you are required to publish notice in a language other than Spanish, you must translate the entire public notice at your own expense.

Public Comment Period

- The public comment period should last at least **30 calendar days**.

- The comment period will be longer if the last day of the public comment period ends on a weekend or a holiday. In this case, the comment period will end on the next business day.

- The comment period for the permit may lengthen depending on whether a notice and comment hearing is held. If a hearing is held, the comment period will be extended to the date of the hearing.

Sign Posting

- You must also post a sign in English and as applicable, in each alternative language, referencing the draft FOP.

- Please read the sign template carefully and notify the permit reviewer listed in the cover letter immediately if it contains any errors or omissions. You are responsible for ensuring the accuracy of all information for the sign posting. You may not change the text of the sign without prior approval from the TCEQ.

- Signs must be in place on the first day of publication in a newspaper and must remain in place and be legible for the entire comment period or the end of a notice and comment hearing, if a hearing is granted.

- The sign placed at the site must be located at or near the site main entrance, provided that the sign is legible from the public street. If the sign would not be legible from the public street, then the sign shall be placed within ten feet of a property line paralleling a public street.

- The executive director may approve variations if you demonstrate that it is not practical to comply with the specific sign posting requirements. The executive director must approve variations before signs are posted.

- All lettering on the sign must be no less than 1-1/2" in height and in block printed capital lettering.

- The sign must be at least 18" wide and 28" tall, and consist of dark lettering on a white background.

- Alternative language signs are required if alternative notice is required, even if no newspaper can be found.

- Inspect each sign posting daily to ensure they are present and visible throughout the comment period.

- You must submit certification of sign posting within **10 business days** after the end of the public comment period by completing and submitting ***Public Notice Verification Form (TCEQ-20244)***.

Proof of Publication and Public Notice Certification

- Check each publication to ensure that the articles were accurately published.

- You must fax or e-mail a copy of the **proof of publication** of each published notice which shows the complete notice that was published, date of publication, and the name of the newspaper to the permit reviewer, **within 2 business days of publication**. Acceptable proofs of publication are 1) copies of the published notice or 2) the original newspaper clippings of the published notice. If you choose to submit copies of the published notice to the Office of the Chief Clerk, copies must be on standard-size 8½" x 11" paper and must show the actual size of the published notice (do not reduce the image when making copies). Published notices longer than 11" must be copied onto multiple 8½" x 11" pages. Please note, submitting a copy of your published notice could result in faster processing of your application. It is recommended that you maintain original newspaper clippings or tear sheets of the notice for your records.

- You must submit proof of publication of each published notice which shows the complete notice that was published, date of publication, and the name of the newspaper to the Office of the Chief Clerk. In addition, send a copy to the TCEQ Regional Office and to each local program

with jurisdiction over your site, within **10 business days** after the date of publication. You are encouraged to submit the affidavit with the proof of publication described above.

- You must submit an **original publisher's affidavit** to the Office of the Chief Clerk within **30 calendar days** after the date of each publication. **You must use the enclosed affidavit form.** The affidavit must clearly identify the applicant's name and permit number.

- You must submit the ***Public Notice Verification Form (TCEQ-20244)*** to the Office of the Chief Clerk and return a copy of this form to the Air Permits Division, within **10 business days** of the end of the public comment period. You must use this form to verify that you have met sign posting requirements and bilingual notice requirements, as applicable. It is also used to verify that you placed a copy of the application, the statement of basis, and draft permit in a public place in the county in which the site is located or proposed to be located. **This form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html**.

- You must submit a completed *Form OP-CRO1* (Certification by Responsible Official), signed by the Responsible Official or Duly Authorized Representative, that verifies the truth and accuracy of all public notice documentation submitted. You must submit this form to the Office of the Chief Clerk and a copy of this form to the Air Permits Division, within **10 business days** of the end of the public comment period.

- The **publisher's affidavit, Public Notice Verification Form, Form OP-CRO1,** and an **acceptable proof of publication of the published notice** should be emailed to PROOFS@tceq.texas.gov or mailed to:

  Texas Commission on Environmental Quality
  Office of the Chief Clerk, MC-105
  Attn: Notice Team
  P.O. Box 13087
  Austin, Texas 78711-3087

- A copy of the **publisher's affidavit, Public Notice Verification Form, and Form OP-CRO1** should be sent by e-mail to Jasmine.Yuan@tceq.texas.gov or be mailed to:

  Texas Commission on Environmental Quality
  Air Permits Division, MC-163
  Attn: Ms. Jasmine Yuan, Ph.D., P.E.
  P.O. Box 13087
  Austin, Texas 78711-3087

- Please ensure that the affidavit(s) you send to the Chief Clerk have all blanks filled in correctly.

Failure to Publish, Submit Proof of Publication and Certification of Public Notice

- You must meet all publication requirements. **If you fail to publish the notice, post signs, meet bilingual notice requirements, or submit proof of publication and public notice certification** *on time*, **the TCEQ may suspend further processing of your application or take other actions.**

Application in a Public Place

- You must provide a copy of the complete application, including any subsequent revisions, the statement of basis, and the draft permit, at a public place for review and copying by the public. The draft permit and statement of basis may be accessed at the link noted previously in this document. This place must be in the county in which the site is located or proposed to be located as required by 30 TAC § 122.320(b).

- A public place is one that is publicly owned or operated (ex: libraries, county courthouses, or city halls).
- The complete application must be accessible to the public for review and copying beginning on the first day of newspaper publication and remain in place until the end of the comment period.
- If the application is submitted to the TCEQ with information marked as "CONFIDENTIAL," you are required to indicate which specific portions of the application are not being made available to the public. These portions of the applications must be accompanied with the following statement: "Any request for portions of this application that are marked as confidential must be submitted in writing, pursuant to the Public Information Act, to the Texas Commission on Environmental Quality, Public Information Coordinator, MC-197, P.O. Box 13087, Austin, Texas 78711-3087."

General Information

When contacting the Commission regarding this application, please refer to the permit number at the top of the Notice of Draft Federal Operating Permit.

If you have questions or need assistance regarding this notice, please contact the permit reviewer listed in the cover letter or the Office of the Chief Clerk at (512) 239-3300.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Notice of Draft Federal Operating Permit

Draft Permit No.: O1610

Application and Draft Permit. Eco Services Operations Corp., 2002 Timberloch Pl Ste 300, The Woodlands, TX 77380-1182, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Federal Operating Permit (herein referred to as Permit) No. O1610, Application No. 31926, to authorize operation of the Baytown Plant, an All Other Basic Inorganic Chemical Manufacturing facility. The area addressed by the application is located at 3439 Park Street in Baytown, Harris County, Texas 77520. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to the application. You can find an electronic map of the facility at: http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=29.7475&lng=-95.001944&zoom=13&type=r. This application was received by the TCEQ on February 8, 2021.

The purpose of a federal operating permit is to improve overall compliance with the rules governing air pollution control by clearly listing all applicable requirements, as defined in Title 30 Texas Administrative Code § 122.10 (30 TAC § 122.10). The draft permit, if approved, will codify the conditions under which the area must operate. The permit will not authorize new construction. The executive director has completed the technical review of the application and has made a preliminary decision to prepare a draft permit for public comment and review. The executive director recommends issuance of this draft permit. The permit application, statement of basis, and draft permit will be available for viewing and copying at the TCEQ Central Office, 12100 Park 35 Circle, Building E, First Floor, Austin, Texas 78753; the TCEQ Houston Regional Office, 5425 Polk St Ste H, Houston, Texas 77023-1452; and the Baytown Sterling Municipal Library, 1 Mary Elizabeth Wilbanks Avenue, Baytown, Texas 77520-4258, beginning the first day of publication of this notice. The draft permit and statement of basis are available at the TCEQ Website:

www.tceq.texas.gov/goto/tvnotice

At the TCEQ central and regional offices, relevant supporting materials for the draft permit, as well as the New Source Review permits which have been incorporated by reference, may be reviewed and copied. Any person with difficulties obtaining these materials due to travel constraints may contact the TCEQ central office file room at (512) 239-2900.

Public Comment/Notice and Comment Hearing. Any person may submit written comments on the draft permit. Comments relating to the accuracy, completeness, and appropriateness of the permit conditions may result in changes to the draft permit.

A person who may be affected by the emission of air pollutants from the permitted area may request a notice and comment hearing. The purpose of the notice and comment hearing is to provide an additional opportunity to submit comments on the draft permit. The permit may be changed based on comments pertaining to whether the permit provides for compliance with 30 TAC Chapter 122 (examples may include that the permit does not contain all applicable requirements or the public notice procedures were not satisfied). The TCEQ may grant a notice and comment hearing on the application if a written hearing request is received within 30 days after publication of the newspaper notice. The hearing request must include the basis for the request, including a description of how the person may be affected by the emission of air pollutants from the application area. The request should also specify the conditions of the draft permit that are inappropriate or specify how the preliminary decision to issue or deny the permit is inappropriate. All reasonably ascertainable issues must be raised and all reasonably available arguments must be submitted by the end of the public comment period. If a notice and comment hearing is granted, all individuals that submitted written comments or a hearing request will receive written notice of the hearing. This notice will identify the date, time, and location for the hearing.

Written public comments and/or requests for a notice and comment hearing should be submitted to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087, or electronically at www14.tceq.texas.gov/epic/eComment/

and be received within 30 days after the date of newspaper publication of this notice. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record.

A notice of proposed final action that includes a response to comments and identification of any changes to the draft permit will be mailed to everyone who submitted public comments, a hearing request, or requested to be on the mailing list for this application. This mailing will also provide instructions for public petitions to the U.S. Environmental Protection Agency (EPA) to request that the EPA object to the issuance of the proposed permit. After receiving a petition, the EPA may only object to the issuance of a permit which is not in compliance with the applicable requirements or the requirements of 30 TAC Chapter 122.

Mailing List. In addition to submitting public comments, a person may ask to be placed on a mailing list for this application by sending a request to the Office of the Chief Clerk at the address above. Those on the mailing list will receive copies of future public notices (if any) mailed by the Chief Clerk for this application.

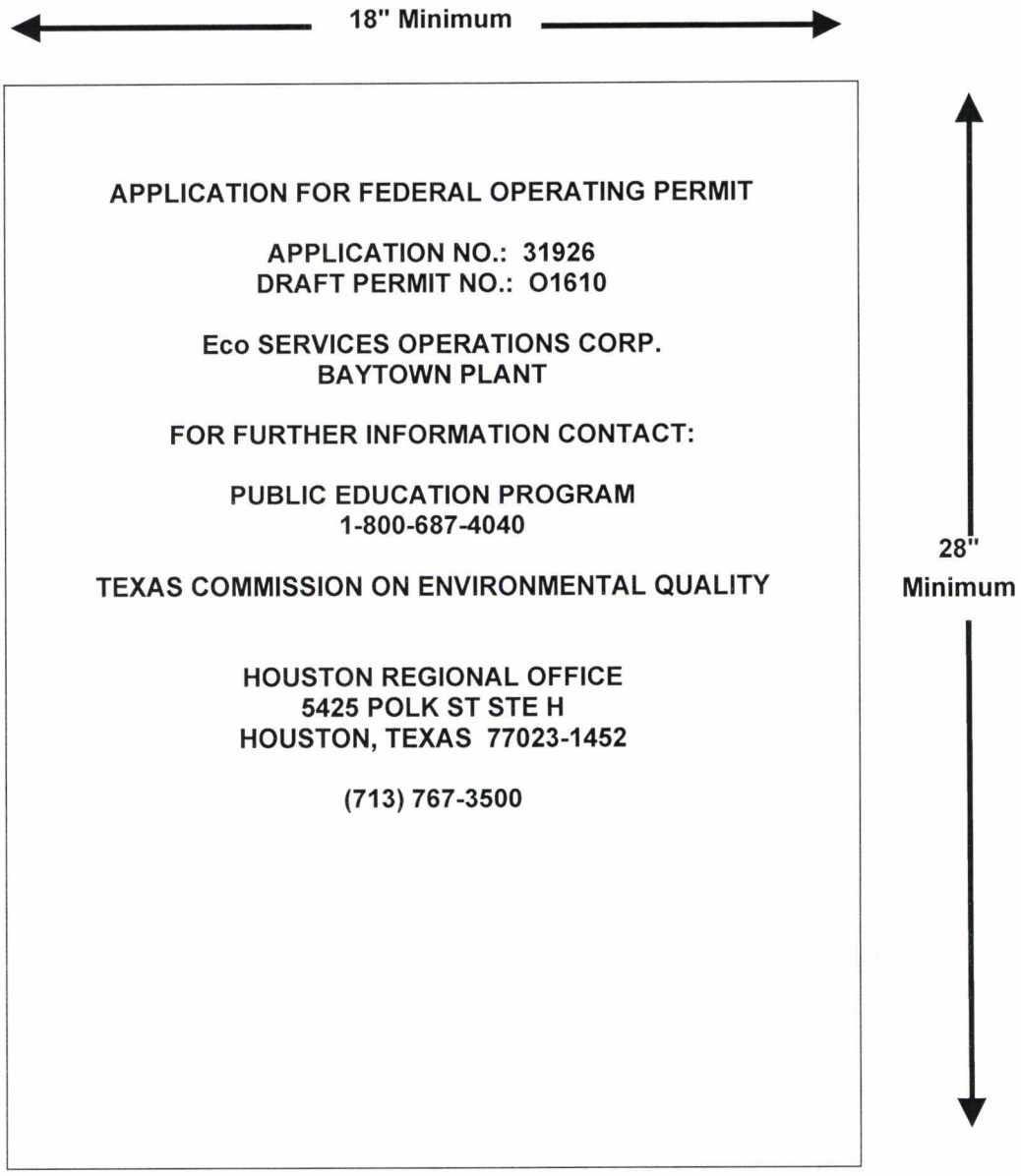
Information. For additional information about this permit application or the permitting process, please contact the Texas Commission on Environmental Quality, Public Education Program, MC-108, P.O. Box 13087, Austin, Texas 78711-3087 or toll free at 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained for Eco Services Operations Corp. by calling Mr. Rock Demarais at (713) 924-1434.

Notice Issuance Date: October 13, 2021

Public Notice Example Sign Posting

Sign(s) must be in place on the date of publication of the newspaper notice and must remain in place and be legible throughout the public comment period. Note - The information shown is an **example only**. It is your responsibility to verify that the appropriate information pertaining to **your application** is accurate. Each sign placed at the **area addressed in the FOP application** must be located at or near the site main entrance, provided that the sign is legible from the public street. If the sign would not be legible from the public street, then the sign shall be placed within 10 feet of a property line paralleling a public street.



Sign(s) must be placed at whatever height above the ground is necessary for sign(s) to be 100% visible from the street.

WHITE BACKGROUND WITH BLACK LETTERS

All lettering must be no less than 1-1/2 inch block printed capitals.

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Eco Services Operations Corp.
Permit No.: O1610
Notice of Draft Federal Operating Permit

AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §
COUNTY OF _____ §

Before me, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn, deposes and says that (s)he is *(Name of Person Representing Newspaper)*

the _____ of the _____
(Title of Person Representing Newspaper) *(Name of the Newspaper)*

that said newspaper is generally circulated in _____, Texas;
*(The **municipality or nearest municipality** in which the site or proposed site is located)*

that the enclosed notice was published in said newspaper on the following date(s):

_____

_____
(newspaper representative's signature)

Subscribed and sworn to before me this the _____ day of _____, 20_____
to certify which witness my hand and seal of office.

_____
Notary Public in and for the State of Texas

[Seal]

_____
Print or Type Name of Notary Public

_____
My Commission Expires

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Eco Services Operations Corp.
Permit No.: O1610
Notice of Draft Federal Operating Permit

ALTERNATIVE LANGUAGE AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §
COUNTY OF _____ §

Before me, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn, deposes and says that (s)he is (*Name of Person Representing Newspaper)*

the _____ of the _____;
(Title of Person Representing Newspaper) *(Name of the Newspaper)*

that said newspaper is generally circulated in _____, Texas;
*(The **municipality or county** in which the site or proposed site is located)*

that the enclosed notice was published in said newspaper on the following date(s):

_____

_____
(Newspaper Representative's Signature)

Subscribed and sworn to before me this the _____ day of _____, 20_____
to certify which witness my hand and seal of office.

_____
Notary Public in and for the State of Texas

[Seal]

_____
Print or Type Name of Notary Public

_____
My Commission Expires