

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Hudson Products Corporation

AUTHORIZING THE OPERATION OF
Hudson Products
Fabricated Plate Work (Boiler Shops)

LOCATED AT
Fort Bend County, Texas
Latitude 29° 28' 49" Longitude 95° 57' 34"
Regulated Entity Number: RN101864924

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: O1057 Issuance Date: _____

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
- E. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
 - (i) Title 30 TAC § 101.352 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
 - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
 - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
 - (v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)
 - (vi) Title 30 TAC § 101.359 (relating to Reporting)
 - (vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
 - (viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- F. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.372 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
 - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)

- (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
 - (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
 - G. 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.
 - H. Emission units subject to 40 CFR Part 63, Subpart HHHHHH as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1425 which incorporates the 40 CFR Part 63 Subpart by reference.
 - I. Emission units subject to 40 CFR Part 63, Subpart XXXXXX as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1505 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)

- J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
 - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
 - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months,

observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

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

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

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

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

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

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

(4) Compliance Certification:

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

C. 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.

- 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)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).
- 5. 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 specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 115.221 (relating to Emission Specifications)
 - (ii) Title 30 TAC § 115.222 (relating to Control Requirements)
 - (iii) Title 30 TAC § 115.223 (relating to Alternate Control Requirements)
 - (iv) Title 30 TAC § 115.224 (relating to Inspection Requirements)
 - (v) Title 30 TAC § 115.225 (relating to Testing Requirements)
 - (vi) Title 30 TAC § 115.226 (relating to Recordkeeping Requirements)
- 6. The permit holder shall comply with the following requirements of 30 TAC Chapter 117:
 - A. For boilers, process heaters, and stationary reciprocating engines subject to Subchapter D, Division 1 at minor sources of NO_x :

- (i) Title 30 TAC § 117.2010(a), and (c) - (f) (relating to Emission Specifications), for sources subject to mass emissions cap and trade under 30 TAC Chapter 101, Subchapter H
 - (ii) Title 30 TAC § 117.2030 (relating to Operating Requirements)
 - (iii) Title 30 TAC § 117.2035 (relating to Monitoring and Testing Requirements)
 - (iv) Title 30 TAC § 117.2045 (relating to Recordkeeping and Reporting Requirements)
 - (v) Title 30 TAC § 117.9200 (relating to Compliance Schedule)
 - B. For boilers, process heaters, and stationary reciprocating engines exempt from Subchapter D, Division 1 at minor sources of NO_x under 30 TAC § 117.2003(a), the permit holder shall comply with 30 TAC §§ 117.2030(c), 117.2035(g), 117.2045(b) and 117.2045(c).
7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
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.

Additional Monitoring Requirements

9. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

10. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
11. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
12. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made

readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

13. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
14. Use of Emission Credits to comply with applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) Offsets for Title 30 TAC Chapter 116
 - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
 - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
 - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
15. Use of Discrete Emission Credits to comply with the applicable requirements:

- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables

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

Temporary Fuel Shortages (30 TAC § 112.15)

- 16. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:
 - A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
 - B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)
 - C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
 - D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

17. 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)

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 16

Applicable Requirements Summary17

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--|--|---------------|--|-------------------------|
| E-1 | SRIC Engines | N/A | 63ZZZZ | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| GRP-111VENT | Emission Points/Stationary Vents/Process Vents | CA, PLASER-1, PLASER-2 | R111 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| GRP-115VNT | Emission Points/Stationary Vents/Process Vents | RDFAN, V-1A, V-1B | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| GRP-OILTNK | Storage Tanks/Vessels | R-1, T-10, T-11, T-4, T-5, T-6, T-9 | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| P-1 | Emission Points/Stationary Vents/Process Vents | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| T-1 | Storage Tanks/Vessels | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| WELD-1 | Miscellaneous Units | N/A | 63HHHHHH-1 | 40 CFR Part 63, Subpart HHHHHH | No changing attributes. |
| WELD-1 | Miscellaneous Units | N/A | 63XXXXXX-1 | 40 CFR Part 63, Subpart XXXXXX | 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--|--|---|---|--|
| E-1 | EU | 63ZZZZ | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6603(a)-Table2d.10 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b) | For each existing non-emergency, non-black start 4SRB stationary RICE with a site rating less than or equal to 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.10.a-c. | § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b) | § 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c) | § 63.6640(b) § 63.6640(e) § 63.6650(f) |
| GRP-111VENT | EP | R111 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| GRP-115VNT | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| GRP-OILTNK | EU | R5112-1 | 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 division. | [G]§ 115.117 | § 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7) | None |
| P-1 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| T-1 | EU | R5112-1 | 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 | [G]§ 115.117 | § 115.118(a)(1) § 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) |
|---------------------------|-------------------------|----------------|-----------|---------------------------------------|---|---|-------------------------------------|---|---|
| | | | | | | pressure less than 1.5 psia is exempt from the requirements of this division. | | | |
| WELD-1 | EU | 63HHHH HH-1 | HAPS | 40 CFR Part 63, Subpart HHHHHH | § 63.11169 § 63.11173(f) | This subpart establishes national emission standards for hazardous air pollutants (HAP) for area sources involved in any of the activities in 40 CFR §63.11169(a)-(c). This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission standards of this subpart. | None | § 63.11177 | § 63.11175 § 63.11176 |
| WELD-1 | EU | 63XXXXX X-1 | HAPS | 40 CFR Part 63, Subpart XXXXXX | § 63.11514 § 63.11516 | National Emission Standards for Hazardous Air Pollutants Area Source Standards for nine metal fabrication and finishing source categories. | § 63.11517 | § 63.11519(c) | § 63.11519(a) § 63.11519(b) |

Additional Monitoring Requirements

Periodic Monitoring Summary.....20

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|------------------------------------|
| ID No.: GRP-111VENT | |
| Control Device ID No.: CA-1-BF | Control Device Type: Fabric Filter |
| Control Device ID No.: PLASER-1-BF | Control Device Type: Fabric Filter |
| Control Device ID No.: PLASER-2-BF | Control Device Type: Fabric Filter |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R111 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per quarter | |
| Averaging Period: n/a | |
| Deviation Limit: Opacity exceeds 20 %. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p> | |

Permit Shield

Permit Shield 22

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|--|--|
| ID No. | Group/Inclusive Units | | |
| B-5 | N/A | 40 CFR Part 60, Subpart Db | Boilers are < 100 MMBtu/hr. |
| B-5 | N/A | 40 CFR Part 60, Subpart Dc | Boilers are < 10 MMBtu/hr. |
| E-1 | N/A | 30 TAC Chapter 117, Minor Source Combustion | Engine operated exclusively in emergency situations. |
| E-1 | N/A | 40 CFR Part 60, Subpart IIII | Facility was constructed prior to July 11, 2005. |
| FUG-1 | N/A | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | This facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation. |
| FUG-1 | N/A | 40 CFR Part 60, Subpart VV | This is not an affected facility per 60.480(a)(2) |
| FUG-1 | N/A | 40 CFR Part 60, Subpart VVa | This is not an affected facility under 60.480a(a)(2). |
| GRP-BOIL | B-1, B-4 | 30 TAC Chapter 112, Sulfur Compounds | Boilers are not liquid fueled. |
| GRP-BOIL | B-1, B-4 | 30 TAC Chapter 117, Subchapter B | Furnaces are < 2 MMBtu/hr. |
| GRP-BOIL | B-1, B-4 | 40 CFR Part 60, Subpart Db | Boilers are < 100 MMBtu/hr. |
| GRP-BOIL | B-1, B-4 | 40 CFR Part 60, Subpart Dc | Boilers are < 10 MM BTUs/Hour. |
| GRP-FURN | H-1A, H-1B | 30 TAC Chapter 112, Sulfur Compounds | Heaters are not liquid fueled. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-------------------------------------|--|---|
| ID No. | Group/Inclusive Units | | |
| GRP-FURN | H-1A, H-1B | 30 TAC Chapter 117, Subchapter B | Heaters are < 2 MMBTUs/Hour |
| GRP-FURN | H-1A, H-1B | 40 CFR Part 60, Subpart Dc | Heaters do not generate steam. |
| GRP-GASOL | T-7, T-8 | 30 TAC Chapter 115, Storage of VOCs | Tanks are a motor vehicle fuel dispensing facility. |
| GRP-GASOL | T-7, T-8 | 40 CFR Part 60, Subpart Kb | The vessels have a design capacity <19,800 gallons. |
| GRP-OILTANK | R-1, T-10, T-11, T-4, T-5, T-6, T-9 | 40 CFR Part 60, Subpart Kb | The tanks have a design capacity <19,800 gallons. |
| GRP-RESIN | T-2, T-3 | 30 TAC Chapter 115, Storage of VOCs | The tank capacity is less than 1000 gallons. |
| GRP-RESIN | T-2, T-3 | 40 CFR Part 60, Subpart Kb | The tanks have a design capacity <19,800 gallons. |
| L-1 | N/A | 30 TAC Chapter 115, Loading and Unloading of VOC | Loading operation is at a motor vehicle fuel dispensing facility. |
| T-1 | N/A | 40 CFR Part 60, Subpart Kb | The tank has a design capacity <19,800 gallons. |
| WW-2 | N/A | 30 TAC Chapter 115, Industrial Wastewater | This plant is not an affected source category. |

New Source Review Authorization References

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New Source Review Authorization References by Emission Unit..... 27

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.

| 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.: 17934 | Issuance Date: 08/27/2014 |
| Permits By Rule (30 TAC Chapter 106) for the Application Area | |
| Number: 106.102 | Version No./Date: 03/14/1997 |
| Number: 106.124 | Version No./Date: 03/14/1997 |
| Number: 106.183 | Version No./Date: 06/18/1997 |
| Number: 106.227 | Version No./Date: 03/14/1997 |
| Number: 106.231 | Version No./Date: 07/16/1997 |
| Number: 106.261 | Version No./Date: 03/14/1997 |
| Number: 106.262 | Version No./Date: 03/14/1997 |
| Number: 106.263 | Version No./Date: 03/14/1997 |
| Number: 106.265 | Version No./Date: 09/04/2000 |
| Number: 106.313 | Version No./Date: 09/04/2000 |
| Number: 106.316 | Version No./Date: 03/14/1997 |
| Number: 106.317 | Version No./Date: 09/04/2000 |
| Number: 106.320 | Version No./Date: 09/04/2000 |
| Number: 106.373 | Version No./Date: 09/04/2000 |
| Number: 106.392 | Version No./Date: 03/14/1997 |
| Number: 106.394 | Version No./Date: 09/04/2000 |
| Number: 106.411 | Version No./Date: 09/04/2000 |
| Number: 106.412 | Version No./Date: 09/04/2000 |
| Number: 106.419 | Version No./Date: 03/14/1997 |
| Number: 106.433 | Version No./Date: 03/14/1997 |
| Number: 106.434 | Version No./Date: 09/04/2000 |
| Number: 106.452 | Version No./Date: 03/14/1997 |
| Number: 106.454 | Version No./Date: 07/08/1998 |
| Number: 106.472 | Version No./Date: 03/14/1997 |

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.

| | |
|-----------------|------------------------------|
| Number: 106.473 | Version No./Date: 03/14/1997 |
| Number: 106.476 | Version No./Date: 09/04/2000 |
| Number: 106.511 | Version No./Date: 09/04/2000 |
| Number: 106.512 | Version No./Date: 03/14/1997 |
| Number: 106.531 | Version No./Date: 03/14/1997 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|---------------------------------|
| B-1 | BOILER 1 | 106.183/06/18/1997 |
| B-4 | BOILER 4 | 106.183/06/18/1997 |
| B-5 | BOILER 5 | 17934 |
| CA | CARBON ARC FURNACE | 106.265/09/04/2000 |
| E-1 | FIRE PUMP ENG | 106.511/09/04/2000 |
| FUG-1 | FAN BLADE SHOP PIPE FUGITIVE | 17934 |
| H-1A | HEAT TREAT FURNACE 1A | 106.183/06/18/1997 |
| H-1B | HEAT TREAT FURNACE 1B | 106.183/06/18/1997 |
| L-1 | FUEL LOADING | 106.473/03/14/1997 |
| P-1 | FAN BLADE SHOP PAINT BOOTH | 17934 |
| PLASER-1 | PLASER-1 | 106.265/09/04/2000 |
| PLASER-2 | PLASER-2 | 106.265/09/04/2000 |
| R-1 | OIL STORAGE TANK R-1 | 106.472/03/14/1997 |
| RDFAN | CX FAN SHOP | 106.392/03/14/1997 |
| T-10 | OIL STORAGE TANK T-10 | 106.472/03/14/1997 |
| T-11 | FIRE PUMP DIESEL STORAGE TANK | 106.472/03/14/1997 |
| T-1 | BULK RESIN TANK | 17934 |
| T-2 | BULK MIXING TANK | 17934 |

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 |
|------------------------------|--------------------------------|---------------------------------|
| T-3 | BULK DAY TANK | 17934 |
| T-4 | OIL STORAGE TANK T-4 | 106.472/03/14/1997 |
| T-5 | OIL STORAGE TANK T-5 | 106.472/03/14/1997 |
| T-6 | OIL STORAGE TANK T-6 | 106.472/03/14/1997 |
| T-7 | GASOLINE TANK 1 | 106.473/03/14/1997 |
| T-8 | GASOLINE TANK 2 | 106.473/03/14/1997 |
| T-9 | DIESEL TANK 1 | 106.473/03/14/1997 |
| V-1A | BOXING AREA VENT A | 17934 |
| V-1B | BOXING AREA VENT B | 17934 |
| WELD-1 | PLANT WELDING | 106.227/03/14/1997 |
| WW-2 | PLANT WASTEWATER TREATMENT | 106.531/03/14/1997 |

Appendix A

Acronym List30

Acronym List

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

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