FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Steel Dynamics Southwest, LLC

AUTHORIZING THE OPERATION OF
Sinton Mill
Iron and Steel Mills and Ferroalloy Manufacturing

LOCATED AT
San Patricio County, Texas
Latitude 28° 3′ 23″ Longitude 97° 27′ 0″
Regulated Entity Number: RN110750965

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: O4324 Issuance Date: October 13, 2023

For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

    E. Emission units subject to 40 CFR Part 63, Subparts ZZZZ or YYYYY, as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113,

Subchapter C, §113.1090 or §113.1340, respectively, which incorporate the 40 CFR Part 63 Subparts by reference.

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

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

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

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

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

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

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

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

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

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

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

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

   A. 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.

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

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

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

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

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

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

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

E. 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(c)(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)

B. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, 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

6. 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)

7. 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.

8. For the metallic scrap utilized at an electric arc furnace steelmaking facility as specified in 40 CFR Part 63, Subpart YYYYY, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.1340 incorporated by reference):

A. Title 40 CFR § 63.10685(a), (a)(1), and (a)(2), relating to the requirement to prepare and implement a pollution prevention plan and/or the control of contaminants (HAPs) from restricted metallic scrap charged to the electric arc furnace

B. Title 40 CFR § 63.10685(a)(1), (c), and (c)(3), relating to recordkeeping and reporting requirements

C. Title 40 CFR § 63.10690(a), (b), (b)(1), and (b)(2), relating to general provisions

9. For scrap utilized at an electric arc furnace steelmaking facility as specified in 40 CFR Part 63, Subpart YYYYY, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.1340 incorporated by reference):

A. Title 40 CFR § 63.10685(b), (b)(1), (b)(2), and/or (b)(3), relating to mercury requirements for scrap containing motor vehicle scrap

B. Title 40 CFR § 63.10685(b)(1), (b)(2), (b)(3), (c), (c)(1) and/or (c)(2) and 63.10685(c)(3), relating to recordkeeping and reporting requirements for scrap containing motor vehicle scrap

C. Title 40 CFR § 63.10685(b)(4), (c), and (c)(3), relating to recordkeeping and reporting requirements for scrap that does not contain motor vehicle scrap

D. Title 40 CFR § 63.10690(a), (b), and (b)(3), relating to general provisions

10. 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

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. For units BHST-1, BHST-2, PLST-1, and TCMST, the permit holder shall comply with the compliance assurance monitoring requirements, as specified in the attached "CAM Summary," within 180 days from the issuance of the permit or the startup of the relevant unit/control device, whichever is later. This "CAM Schedule" requires the permit holder to install, test, or perform final verification of the operational status of the monitoring, contained in the attached "CAM Summary," within 180 days of the date noted above.

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

C. 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).

D. 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).

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

F. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the 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 action:

(i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or

(ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.

G. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall conduct a once a month visual, audible, and/or olfactory inspection of the capture system other than a particulate matter or VOC capture system to detect leaking components for any capture system associated with the control device subject to CAM. If the results of the inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions.

H. 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.

I. Start of operation of the monitoring specified in the “CAM Summary” after the 180 day “CAM Schedule” shall be reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

12. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” within 180 days of issuance of the permit or when the relevant unit/control device becomes operation, whichever is later. 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 terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated May 19, 2023 in the application for project 32229), 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. 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

18. 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

19. 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

20. 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)

21. 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
BHST-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-BHST1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
BHST-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-BHST1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BHST-1	STEEL PLANT UNIT	N/A	60AAa-BHST1	40 CFR Part 60, Subpart AAa	Opacity = Opacity is determined by a certified visible emissions observer.
BHST-1	STEEL PLANT UNIT	N/A	60AAa-BHST1OP	40 CFR Part 60, Subpart AAa	Opacity = Opacity is not determined by a certified visible emissions observer.
BHST-1	STEEL PLANT UNIT	N/A	63YYYYY-BHST1	40 CFR Part 63, Subpart YYYYY	No changing attributes.
BHST-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-BHST2	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
BHST-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-BHST2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BHST-2	STEEL PLANT UNIT	N/A	60AAa-BHST2	40 CFR Part 60, Subpart AAa	Opacity = Opacity is determined by a certified visible emissions observer.
BHST-2	STEEL PLANT UNIT	N/A	60AAa-BHST2OP	40 CFR Part 60, Subpart AAa	Opacity = Opacity is not determined by a certified visible emissions observer.
BHST-2	STEEL PLANT UNIT	N/A	63YYYYY-BHST2	40 CFR Part 63, Subpart YYYYY	No changing attributes.
CGLST-1	EMISSION	N/A	R1111-CGLST1	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Emissions	
CMBLR1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-CMBLR1	40 CFR Part 60, Subpart Dc	No changing attributes.
CMBLR2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-CMBLR2	40 CFR Part 60, Subpart Dc	No changing attributes.
CMBLR3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-CMBLR3	40 CFR Part 60, Subpart Dc	No changing attributes.
EAFVF1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-EAFVF1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
EAFVF1	STEEL PLANT UNIT	N/A	60AAa-EAFVF1	40 CFR Part 60, Subpart AAa	No changing attributes.
EMGEN1	SRIC ENGINES	N/A	60IIII-EMGEN1	40 CFR Part 60, Subpart IIII	No changing attributes.
EMGEN1	SRIC ENGINES	N/A	63ZZZZ-EMGEN1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMGEN2	SRIC ENGINES	N/A	60IIII-EMGEN2	40 CFR Part 60, Subpart IIII	No changing attributes.
EMGEN2	SRIC ENGINES	N/A	63ZZZZ-EMGEN2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMGEN3	SRIC ENGINES	N/A	60IIII-EMGEN3	40 CFR Part 60, Subpart IIII	No changing attributes.
EMGEN3	SRIC ENGINES	N/A	63ZZZZ-EMGEN3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMGEN4	SRIC ENGINES	N/A	60IIII-EMGEN4	40 CFR Part 60, Subpart IIII	No changing attributes.
EMGEN4	SRIC ENGINES	N/A	63ZZZZ-EMGEN4	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
EMGEN5	SRIC ENGINES	N/A	60IIII-EMGEN5	40 CFR Part 60, Subpart IIII	No changing attributes.
EMGEN5	SRIC ENGINES	N/A	63ZZZZ-EMGEN5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
LCFVF1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-LCFVF1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LCFVF2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-LCFVF2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LCFVF3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-LCFVF3	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LCFVF4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-LCFVF4	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LCFVF5	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-LCFVF5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LCFVF6	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-LCFVF6	30 TAC Chapter 111, Visible Emissions	No changing attributes.
MSFUG	STEEL PLANT UNIT	N/A	60AAa-MSFUG	40 CFR Part 60, Subpart AAa	Shop Opacity Observations = Shop opacity observations are performed as specified in 40 CFR § 60.273a(d).
MSFUG	STEEL PLANT UNIT	N/A	60AAa-MSFUGOP	40 CFR Part 60, Subpart AAa	Shop Opacity Observations = Shop opacity observations are not performed as specified in 40 CFR § 60.273a(d).

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
MSFUG	STEEL PLANT UNIT	N/A	63YYYYY-MSFUG	40 CFR Part 63, Subpart YYYYY	No changing attributes.
PLST-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-PLST1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
PLST-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-PLST1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PLST-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-PLST2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PROCCL	SURFACE COATING OPERATIONS	N/A	60TT-PROCCL	40 CFR Part 60, Subpart TT	No changing attributes.
PROCCL2	SURFACE COATING OPERATIONS	N/A	60TT-PROCCL2	40 CFR Part 60, Subpart TT	No changing attributes.
TCMST	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-TCMST	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
TCMST	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-TCMST	30 TAC Chapter 111, Visible Emissions	No changing attributes.
VTD1	FLARES	N/A	R1111-VTD1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
VTD1	FLARES	N/A	60A-VTD1	40 CFR Part 60, Subpart A	No changing attributes.
VTD2	FLARES	N/A	R1111-VTD1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
VTD2	FLARES	N/A	60A-VTD2	40 CFR Part 60, Subpart A	No changing attributes.
WA1	EMISSION	N/A	R1111-WA1	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Emissions	

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)
BHST-1	EP	R1151-BHST1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
BHST-1	EP	R1111-BHST1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
BHST-1	EU	60AAa-BHST1	PM	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(1)	Gases which exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf) shall not be discharged into the atmosphere.	§ 60.274a(d) [G]§ 60.274a(h) § 60.275a(a) § 60.275a(b) § 60.275a(b)(1) § 60.275a(d) § 60.275a(e) § 60.275a(e)(1) § 60.275a(e)(4) § 60.275a(f) § 60.275a(g) § 60.275a(h) § 60.275a(h)(1) § 60.275a(j)	§ 60.274a(d) § 60.276a(a)	[G]§ 60.276a(f)
BHST-1	EU	60AAa-BHST1	PM (Opacity)	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(2)	Gases which exit from a control device and exhibit 3 percent opacity or greater shall not be discharged into the atmosphere.	§ 60.273a(c) § 60.273a(e) § 60.273a(e)(1) § 60.273a(e)(2) § 60.273a(e)(3) [G]§ 60.273a(e)(4)	§ 60.273a(c) § 60.273a(e)(2) § 60.276a(a) § 60.276a(h) § 60.276a(h)(1) § 60.276a(h)(2)	[G]§ 60.273a(e)(4) [G]§ 60.273a(e)(6) § 60.276a(b) [G]§ 60.276a(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.273a(e)(5) [G]§ 60.273a(e)(6) § 60.273a(e)(7) § 60.273a(e)(8) [G]§ 60.273a(f) § 60.273a(g) [G]§ 60.274a(h) § 60.275a(d) § 60.275a(e) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(j)	§ 60.276a(h)(3)	
BHST-1	EU	60AAa-BHST1OP	PM	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(1)	Gases which exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf) shall not be discharged into the atmosphere.	§ 60.274a(d) [G]§ 60.274a(h) § 60.275a(a) § 60.275a(b) § 60.275a(b)(1) § 60.275a(d) § 60.275a(e) § 60.275a(e)(1) § 60.275a(e)(4) § 60.275a(f) § 60.275a(g) § 60.275a(h) § 60.275a(h)(1) § 60.275a(j)	§ 60.274a(d) § 60.276a(a)	[G]§ 60.276a(f)
BHST-1	EU	60AAa-BHST1OP	PM (Opacity)	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(2)	Gases which exit from a control device and exhibit 3 percent opacity or greater shall not be discharged into the atmosphere.	§ 60.273a(a) [G]§ 60.274a(h) § 60.275a(d) § 60.275a(e) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(j)	§ 60.276a(a)	§ 60.276a(b) [G]§ 60.276a(f)
BHST-1	EU	63YYYYY-BHST1	PM	40 CFR Part 63, Subpart YYYYY	§ 63.10686(b)(1) § 63.10686(a) § 63.10686(b) § 63.10690(a)	Except as provided in paragraph (c) of this section, you must not discharge or cause the discharge into the	[G]§ 60.274a(h) § 60.275a(a) § 60.275a(b) § 60.275a(b)(1) § 60.275a(d)	§ 63.10686(d)(3) § 63.10686(e) § 63.10690(a)	§ 63.10686(d)(4) § 63.10686(e) § 63.10690(a) § 63.10690(b) § 63.10690(b)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						atmosphere from an EAF or AOD vessel any gases which exit from a control device and contain in excess of 0.0052 grains of PM per dry standard cubic foot (gr/dscf).	§ 60.275a(e)(1) § 60.275a(e)(4) § 60.275a(h) § 60.275a(h)(1) § 60.275a(j) § 63.10686(d) [G]§ 63.10686(d)(1) § 63.10686(d)(3) § 63.10686(e) § 63.10690(a) ** See CAM Summary		§ 63.10690(b)(6)
BHST-1	EU	63YYYYY-BHST1	PM (Opacity)	40 CFR Part 63, Subpart YYYYY	§ 63.10686(b)(2) § 63.10686(b) § 63.10690(a)	Except as provided in paragraph (c) of this section, you must not discharge or cause the discharge into the atmosphere from an EAF or AOD vessel any gases which exit from a melt shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.	[G]§ 60.274a(h) § 60.275a(c) § 60.275a(d) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(i) § 60.275a(j) § 63.10686(d) § 63.10686(d)(2) § 63.10686(d)(3) § 63.10690(a) ** See CAM Summary	§ 63.10686(d)(3) § 63.10690(a)	§ 63.10686(d)(4) § 63.10690(a) § 63.10690(b)
BHST-2	EP	R1151-BHST2	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
BHST-2	EP	R1111-BHST2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20%	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						averaged over a six minute period for any source on which construction was begun after January 31, 1972.			
BHST-2	EU	60AAa-BHST2	PM	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(1)	Gases which exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf) shall not be discharged into the atmosphere.	§ 60.274a(d) [G]§ 60.274a(h) § 60.275a(a) § 60.275a(b) § 60.275a(b)(1) § 60.275a(d) § 60.275a(e) § 60.275a(e)(1) § 60.275a(e)(4) § 60.275a(f) § 60.275a(g) § 60.275a(h) § 60.275a(h)(1) § 60.275a(j)	§ 60.274a(d) § 60.276a(a)	[G]§ 60.276a(f)
BHST-2	EU	60AAa-BHST2	PM (Opacity)	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(2)	Gases which exit from a control device and exhibit 3 percent opacity or greater shall not be discharged into the atmosphere.	§ 60.273a(c) § 60.273a(e) § 60.273a(e)(1) § 60.273a(e)(2) § 60.273a(e)(3) [G]§ 60.273a(e)(4) § 60.273a(e)(5) [G]§ 60.273a(e)(6) § 60.273a(e)(7) § 60.273a(e)(8) [G]§ 60.273a(f) § 60.273a(g) [G]§ 60.274a(h) § 60.275a(d) § 60.275a(e) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(j)	§ 60.273a(c) § 60.273a(e)(2) § 60.276a(a) § 60.276a(h) § 60.276a(h)(1) § 60.276a(h)(2) § 60.276a(h)(3)	[G]§ 60.273a(e)(4) [G]§ 60.273a(e)(6) § 60.276a(b) [G]§ 60.276a(f)
BHST-2	EU	60AAa-	PM	40 CFR Part 60,	§ 60.272a(a)(1)	Gases which exit from a	§ 60.274a(d)	§ 60.274a(d)	[G]§ 60.276a(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		BHST2OP		Subpart AAa		control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf) shall not be discharged into the atmosphere.	[G]§ 60.274a(h) § 60.275a(a) § 60.275a(b) § 60.275a(b)(1) § 60.275a(d) § 60.275a(e) § 60.275a(e)(1) § 60.275a(e)(4) § 60.275a(f) § 60.275a(g) § 60.275a(h) § 60.275a(h)(1) § 60.275a(j)	§ 60.276a(a)	
BHST-2	EU	60AAa-BHST2OP	PM (Opacity)	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(2)	Gases which exit from a control device and exhibit 3 percent opacity or greater shall not be discharged into the atmosphere.	§ 60.273a(a) [G]§ 60.274a(h) § 60.275a(d) § 60.275a(e) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(j)	§ 60.276a(a)	§ 60.276a(b) [G]§ 60.276a(f)
BHST-2	EU	63YYYYY-BHST2	PM	40 CFR Part 63, Subpart YYYYY	§ 63.10686(b)(1) § 63.10686(a) § 63.10686(b) § 63.10690(a)	Except as provided in paragraph (c) of this section, you must not discharge or cause the discharge into the atmosphere from an EAF or AOD vessel any gases which exit from a control device and contain in excess of 0.0052 grains of PM per dry standard cubic foot (gr/dscf).	[G]§ 60.274a(h) § 60.275a(a) § 60.275a(b) § 60.275a(b)(1) § 60.275a(d) § 60.275a(e)(1) § 60.275a(e)(4) § 60.275a(h) § 60.275a(h)(1) § 60.275a(j) § 63.10686(d) [G]§ 63.10686(d)(1) § 63.10686(d)(3) § 63.10686(e) § 63.10690(a) ** See CAM Summary	§ 63.10686(d)(3) § 63.10686(e) § 63.10690(a)	§ 63.10686(d)(4) § 63.10686(e) § 63.10690(a) § 63.10690(b) § 63.10690(b)(4) § 63.10690(b)(6)
BHST-2	EU	63YYYYY-	PM	40 CFR Part 63,	§ 63.10686(b)(2)	Except as provided in	[G]§ 60.274a(h)	§ 63.10686(d)(3)	§ 63.10686(d)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		BHST2	(Opacity)	Subpart YYYYY	§ 63.10686(b) § 63.10690(a)	paragraph (c) of this section, you must not discharge or cause the discharge into the atmosphere from an EAF or AOD vessel any gases which exit from a melt shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.	§ 60.275a(c) § 60.275a(d) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(i) § 60.275a(j) § 63.10686(d) § 63.10686(d)(2) § 63.10686(d)(3) § 63.10690(a) ** See CAM Summary	§ 63.10690(a)	§ 63.10690(a) § 63.10690(b)
CGLST-1	EP	R1111-CGLST1	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
CMBLR1	EU	60Dc-CMBLR1	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)
CMBLR1	EU	60Dc-CMBLR1	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)
CMBLR1	EU	60Dc-CMBLR1	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed,	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3)	[G]§ 60.48c(a)

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)
						or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).		§ 60.48c(i)	
CMBLR2	EU	60Dc-CMBLR2	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)
CMBLR2	EU	60Dc-CMBLR2	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)
CMBLR2	EU	60Dc-CMBLR2	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)
CMBLR3	EU	60Dc-CMBLR3	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)
CMBLR3	EU	60Dc-CMBLR3	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	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

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)
						that has a maximum design heat input capacity of 2.9-29 megawatts (MW).			
CMBLR3	EU	60Dc-CMBLR3	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)
EAFVF1	EP	R1111-EAFVF1	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
EAFVF1	EU	60AAa-EAFVF1	PM (Opacity)	40 CFR Part 60, Subpart AAa	§ 60.272a(b)	On or after the date of the performance test (by §60.8)no owner or operator shall allow discharge into the atmosphere from dust handling system any gases that exhibit 10 percent opacity or greater.	§ 60.273a(b) § 60.275a(d) § 60.275a(e) § 60.275a(e)(3)	None	None
EMGEN1	EU	60IIII-EMGEN1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with a CO emission limit of 3.5 g/KW-	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.			
EMGEN1	EU	60IIII-EMGEN1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN1	EU	60IIII-EMGEN1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 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 0.20 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN1	EU	63ZZZZ-EMGEN1	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	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)
						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.			
EMGEN2	EU	60IIII-EMGEN2	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN2	EU	60IIII-EMGEN2	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMGEN2	EU	60IIII-EMGEN2	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 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 0.20 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN2	EU	63ZZZZ-EMGEN2	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
EMGEN3	EU	60IIII-EMGEN3	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 KW and a displacement of less than	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f) § 60.4218	10 liters per cylinder and is a 2011 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.			
EMGEN3	EU	60IIII-EMGEN3	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN3	EU	60IIII-EMGEN3	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(b)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 2237 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 0.20 g/KW-hr, as stated in 40 CFR 60.4202(b)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN3	EU	63ZZZZ-EMGEN3	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	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)
						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.			
EMGEN4	EU	60IIII-EMGEN4	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN4	EU	60IIII-EMGEN4	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
EMGEN4	EU	60IIII-EMGEN4	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN4	EU	63ZZZZ-EMGEN4	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

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)
EMGEN5	EU	60IIII-EMGEN5	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN5	EU	60IIII-EMGEN5	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMGEN5	EU	60IIII-EMGEN5	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, 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	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4218	than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
EMGEN5	EU	63ZZZZ-EMGEN5	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
LCFVF1	EP	R1111-LCFVF1	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
LCFVF2	EP	R1111-LCFVF2	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	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						begun after January 31, 1972.			
LCFVF3	EP	R1111-LCFVF3	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
LCFVF4	EP	R1111-LCFVF4	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
LCFVF5	EP	R1111-LCFVF5	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
LCFVF6	EP	R1111-LCFVF6	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
MSFUG	EU	60AAa-MSFUG	PM (Opacity)	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(3)	Gases which exit from a shop and exhibit 6 percent	§ 60.273a(d) § 60.274a(a)(2)	§ 60.273a(d) § 60.274a(a)(2)	§ 60.276a(c) [G]§ 60.276a(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						opacity or greater due to the operations of any affected EAF(s) or AOD vessel(s) shall not be discharged into the atmosphere.	§ 60.274a(c) § 60.274a(f) [G]§ 60.274a(h) § 60.275a(c) § 60.275a(d) § 60.275a(e) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(f) § 60.275a(i) § 60.275a(j)	§ 60.274a(c) § 60.276a(a) § 60.276a(g)	§ 60.276a(g)
MSFUG	EU	60AAa-MSFUGOP	PM (Opacity)	40 CFR Part 60, Subpart AAa	§ 60.272a(a)(3)	Gases which exit from a shop and exhibit 6 percent opacity or greater due to the operations of any affected EAF(s) or AOD vessel(s) shall not be discharged into the atmosphere.	§ 60.274a(a)(2) § 60.274a(b) § 60.274a(c) § 60.274a(f) § 60.274a(g) [G]§ 60.274a(h) § 60.275a(c) § 60.275a(d) § 60.275a(e) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(f) § 60.275a(i) § 60.275a(j)	§ 60.274a(a)(2) § 60.274a(b) § 60.274a(c) § 60.276a(a)	§ 60.276a(c) [G]§ 60.276a(f)
MSFUG	EU	63YYYYY-MSFUG	PM (Opacity)	40 CFR Part 63, Subpart YYYYY	§ 63.10686(b)(2) § 63.10686(b) § 63.10690(a)	Except as provided in paragraph (c) of this section, you must not discharge or cause the discharge into the atmosphere from an EAF or AOD vessel any gases which exit from a melt shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.	[G]§ 60.274a(h) § 60.275a(c) § 60.275a(d) § 60.275a(e)(3) § 60.275a(e)(4) § 60.275a(i) § 60.275a(j) § 63.10686(d) § 63.10686(d)(2) § 63.10686(d)(3) § 63.10690(a)	§ 63.10686(d)(3) § 63.10690(a)	§ 63.10686(d)(4) § 63.10690(a) § 63.10690(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PLST-1	EP	R1151-PLST1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
PLST-1	EP	R1111-PLST1	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
PLST-2	EP	R1111-PLST2	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
PROCCL	PRO	60TT-PROCCL	VOC	40 CFR Part 60, Subpart TT	§ 60.462(a)(3)	On/after §60.8 tests, each facility that continuously uses control(s) operated at the most recent efficiency shall not discharge >10% of the VOC's applied for each month (90 percent reduction).	§ 60.463(a) § 60.463(b) [G]§ 60.463(c)(2) § 60.464(c) [G]§ 60.466	§ 60.464(c) § 60.465(c) § 60.465(e)	§ 60.465(b) § 60.465(b)(1) § 60.465(b)(2) § 60.465(c) § 60.465(d)
PROCCL2	PRO	60TT-PROCCL2	VOC	40 CFR Part 60, Subpart TT	§ 60.462(a)(3)	On/after §60.8 tests, each facility that continuously uses control(s) operated at	§ 60.463(a) § 60.463(b) [G]§ 60.463(c)(2)	§ 60.464(c) § 60.465(c) § 60.465(e)	§ 60.465(b) § 60.465(b)(1) § 60.465(b)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the most recent efficiency shall not discharge >10% of the VOC's applied for each month (90 percent reduction).	§ 60.464(c) [G]§ 60.466		§ 60.465(c) § 60.465(d)
TCMST	EP	R1151-TCMST	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
TCMST	EP	R1111-TCMST	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
VTD1	CD	R1111-VTD1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
VTD1	CD	60A-VTD1	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.18(e)				
VTD2	CD	R1111-VTD1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
VTD2	CD	60A-VTD2	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
WA1	EP	R1111-WA1	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

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: BHST-1	
Control Device ID No.: BHST-1	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-BHST1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: four times per hour	
Averaging Period: Establish per EPA Guidance (EPA-454/R-98-015)	
Deviation Limit: As scheduled in permit term 11.A, a maximum signal shall be established using EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). Records shall be kept of the maximum signal.	
CAM Text: Each monitoring device shall be installed, operated, calibrated, and maintained in a manner consistent with EPA, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015).	

CAM Summary

Unit/Group/Process Information	
ID No.: BHST-1	
Control Device ID No.: BHST-1	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYY-BHST1
Pollutant: PM	Main Standard: § 63.10686(b)(1)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: four times per hour	
Averaging Period: Establish per EPA Guidance (EPA-454/R-98-015)	
Deviation Limit: As scheduled in permit term 11.A, a maximum signal shall be established using EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). Records shall be kept of the maximum signal.	
CAM Text: Each monitoring device shall be installed, operated, calibrated, and maintained in a manner consistent with EPA, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015).	

CAM Summary

Unit/Group/Process Information	
ID No.: BHST-1	
Control Device ID No.: BHST-1	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYY-BHST1
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: four times per hour	
Averaging Period: Establish per EPA Guidance (EPA-454/R-98-015)	
Deviation Limit: As scheduled in permit term 11.A, a maximum signal shall be established using EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). Records shall be kept of the maximum signal.	
CAM Text: Each monitoring device shall be installed, operated, calibrated, and maintained in a manner consistent with EPA, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015).	

CAM Summary

Unit/Group/Process Information	
ID No.: BHST-2	
Control Device ID No.: BHST-2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-BHST2
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: four times per hour	
Averaging Period: Establish per EPA Guidance (EPA-454/R-98-015)	
Deviation Limit: As scheduled in permit term 11.A, a maximum signal shall be established using EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). Records shall be kept of the maximum signal.	
CAM Text: Each monitoring device shall be installed, operated, calibrated, and maintained in a manner consistent with EPA, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015).	

CAM Summary

Unit/Group/Process Information	
ID No.: BHST-2	
Control Device ID No.: BHST-2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYY-BHST2
Pollutant: PM	Main Standard: § 63.10686(b)(1)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: four times per hour	
Averaging Period: Establish per EPA Guidance (EPA-454/R-98-015)	
Deviation Limit: As scheduled in permit term 11.A, a maximum signal shall be established using EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). Records shall be kept of the maximum signal.	
CAM Text: Each monitoring device shall be installed, operated, calibrated, and maintained in a manner consistent with EPA, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015).	

CAM Summary

Unit/Group/Process Information	
ID No.: BHST-2	
Control Device ID No.: BHST-2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYY-BHST2
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: four times per hour	
Averaging Period: Establish per EPA Guidance (EPA-454/R-98-015)	
Deviation Limit: As scheduled in permit term 11.A, a maximum signal shall be established using EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). Records shall be kept of the maximum signal.	
CAM Text: Each monitoring device shall be installed, operated, calibrated, and maintained in a manner consistent with EPA, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015).	

CAM Summary

Unit/Group/Process Information	
ID No.: PLST-1	
Control Device ID No.: PLST-1	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-PLST1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 11.A, a minimum and maximum pressure drop shall be established using manufacturer's recommendations and/or engineering calculations. Records shall be kept of the information used to establish the values.	
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: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: TCMST	
Control Device ID No.: TCMST	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-TCMST
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 11.A, a minimum and maximum pressure drop shall be established using manufacturer's recommendations, engineering calculations, and/or historical data. Records shall be kept of the information used to establish the values.	
CAM Text: Measure and record the pressure drop across the scrubber once per day. Establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data. 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: ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: CGLST-1	
Control Device ID No.: CGLST-1	Control Device Type: Other control device type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-CGLST1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: Once monitoring begins as scheduled in permit term 12, a deviation shall be reported if visible emissions are observed, unless Test Method 9 is conducted within 24 hours of observing emissions, in which case opacity exceeding 5% is a deviation.	
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. A certified opacity reader is not required for visible emissions observations. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation. The opacity test must be performed by a certified opacity reader.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EAFVF1	
Control Device ID No.: EAFVF1	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-EAFVF1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LCFVF1	
Control Device ID No.: LCFVF1	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-LCFVF1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LCFVF2	
Control Device ID No.: LCFVF2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-LCFVF2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LCFVF3	
Control Device ID No.: LCFVF3	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-LCFVF3
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LCFVF4	
Control Device ID No.: LCFVF4	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-LCFVF4
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LCFVF5	
Control Device ID No.: LCFVF5	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-LCFVF5
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LCFVF6	
Control Device ID No.: LCFVF6	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-LCFVF6
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PLST-1	
Control Device ID No.: PLST1	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-PLST1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: A Minimum Pressure Drop of 10 mBar and Maximum Pressure Drop of 17 mBar.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit or above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PLST-2	
Control Device ID No.: PLST-2	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-PLST2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum and maximum pressure drop using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the pressure drop. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PLST-2	
Control Device ID No.: PLST-2	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-PLST2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: As scheduled in permit term 12, establish a minimum liquid flow rate using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data.	
Periodic Monitoring Text: Measure and record the liquid flow rate. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TCMST	
Control Device ID No.: TCMST	Control Device Type: Other control device type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-TCMST
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: Once monitoring begins as scheduled in permit term 12, a deviation shall be reported if visible emissions are observed, unless Test Method 9 is conducted within 24 hours of observing emissions, in which case opacity exceeding 5% is a deviation.	
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. A certified opacity reader is not required for visible emissions observations. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation. The opacity test must be performed by a certified opacity reader.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WA1	
Control Device ID No.: WA1	Control Device Type: Other control device type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-WA1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per calendar quarter	
Averaging Period: N/A	
Deviation Limit: Once monitoring begins as scheduled in permit term 12, a deviation shall be reported if visible emissions are observed, unless Test Method 9 is conducted within 24 hours of observing emissions, in which case opacity exceeding 5% is a deviation.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report 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
AB	N/A	40 CFR Part 60, Subpart Dc	The auxiliary burner does not meet the definition of a Steam Generating Unit as defined in § 60.41c.
ANNFURN	N/A	40 CFR Part 60, Subpart Dc	The furnace does not meet the definition of a Steam Generating Unit as defined in § 60.41c.
CGLST-2	N/A	40 CFR Part 60, Subpart Dc	The heater does not meet the definition of a Steam Generating Unit as defined in § 60.41c.
CMBLR1	N/A	40 CFR Part 63, Subpart JJJJJJ	Boiler only fires natural gas.
CMBLR2	N/A	40 CFR Part 63, Subpart JJJJJJ	Boiler only fires natural gas.
CMBLR3	N/A	40 CFR Part 63, Subpart JJJJJJ	Boiler only fires natural gas.
CT1	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CT3	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CT4	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CT5	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CT6	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CT7	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CT8	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CT9	N/A	40 CFR Part 63, Subpart Q	Facility is an area source of HAPs.
CUROV	N/A	40 CFR Part 60, Subpart Dc	The furnace does not meet the definition of a Steam Generating Unit as defined in § 60.41c.
HLPREH	N/A	40 CFR Part 60, Subpart Dc	The heater does not meet the definition of a Steam Generating Unit as defined in § 60.41c.
LHEAT	N/A	40 CFR Part 60, Subpart Dc	The unit has a maximum design heat input

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
			capacity less than 10 MMbtu/hr as defined in § 60.40c(a).
RTHEAT	N/A	40 CFR Part 60, Subpart Dc	The heater does not meet the definition of a Steam Generating Unit as defined in § 60.41c.
T7	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank has a capacity less than 1,000 gallons.
TFST-1	N/A	40 CFR Part 60, Subpart Db	The furnace does not meet the definition of a Steam Generating Unit as defined in § 60.41b.
TFST-2	N/A	40 CFR Part 60, Subpart Db	The furnace does not meet the definition of a Steam Generating Unit as defined in § 60.41b.
TNDDRY	N/A	40 CFR Part 60, Subpart Dc	The unit has a maximum design heat input capacity less than 10 MMbtu/hr as defined in § 60.40c(a).
TNDPREH	N/A	40 CFR Part 60, Subpart Dc	The unit has a maximum design heat input capacity less than 10 MMbtu/hr as defined in § 60.40c(a).
VLPREH	N/A	40 CFR Part 60, Subpart Dc	The heater does not meet the definition of a Steam Generating Unit as defined in § 60.41c.
WA2	N/A	40 CFR Part 60, Subpart Dc	The heater does not meet the definition of a Steam Generating Unit as defined in § 60.41c.

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.: GHGPSDTX194	Issuance Date: 02/13/2026
PSD Permit No.: PSDTX1562M1	Issuance Date: 02/13/2026
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.: 156458	Issuance Date: 02/13/2026
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.265	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
AB	AUXILIARY BURNER	156458, GHGPSDTX194, PSDTX1562M1
ANNFURN	ANNEALING FURNACES	156458, GHGPSDTX194, PSDTX1562M1
BHST-1	REVERSE AIR FABRIC FILTER BAGHOUSE 1 STACK	156458, GHGPSDTX194, PSDTX1562M1
BHST-2	REVERSE AIR FABRIC FILTER BAGHOUSE 2 STACK	156458, GHGPSDTX194, PSDTX1562M1
CGLST-1	CGL-1 CLEANING SECTION MIST ELIMINATOR STACK	156458, PSDTX1562M1
CGLST-2	GALVANIZING LINE HEATER STACK	156458, GHGPSDTX194, PSDTX1562M1
CMBLR1	PICKLING LINE BOILER 1 STACK	156458, GHGPSDTX194, PSDTX1562M1
CMBLR2	PICKLING LINE BOILER 2 STACK	156458, GHGPSDTX194, PSDTX1562M1
CMBLR3	PICKLING LINE BOILER 3 STACK	156458, GHGPSDTX194, PSDTX1562M1
CT1	MELTSHOP NON-CONTACT COOLING TOWER	156458, PSDTX1562M1
CT3	815 EAF 2 NCCW COOLING TOWER	156458, PSDTX1562M1
CT4	CAST NON-CONTACT COOLING TOWER	156458, PSDTX1562M1
CT5	CASTER SPRAY COOLING TOWER	156458, PSDTX1562M1
CT6	ROLLING MILL NON-CONTACT COOLING TOWER	156458, PSDTX1562M1
CT7	RM NON-CONTACT COOLING TOWER	156458, PSDTX1562M1
CT8	LAMINAR COOLING TOWER	156458, PSDTX1562M1
CT9	COLD MILL GALVANIZING COOLING TOWER	156458, PSDTX1562M1
CUROV	PRIMER CURING OVEN	156458, GHGPSDTX194, PSDTX1562M1
EAFVF1	EAF BAGHOUSE 1 DUST SILO VENT	156458, PSDTX1562M1
EMGEN1	EMERGENCY GENERATOR 1	156458, GHGPSDTX194, PSDTX1562M1
EMGEN2	EMERGENCY GENERATOR 2	156458, GHGPSDTX194, PSDTX1562M1

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**
EMGEN3	EMERGENCY GENERATOR 3	156458, GHGPSDTX194, PSDTX1562M1
EMGEN4	EMERGENCY GENERATOR 4	156458, GHGPSDTX194, PSDTX1562M1
EMGEN5	EMERGENCY GENERATOR 5	156458, GHGPSDTX194, PSDTX1562M1
HLPREH	HORIZONTAL LADLE PREHEATERS	156458, GHGPSDTX194, PSDTX1562M1
LCFVF1	LIME, CARBON, AND FLUX SILO 1 VENT	156458, PSDTX1562M1
LCFVF2	LIME, CARBON, AND FLUX SILO 2 VENT	156458, PSDTX1562M1
LCFVF3	LIME, CARBON, AND FLUX SILO 3 VENT	156458, PSDTX1562M1
LCFVF4	LIME, CARBON, AND FLUX SILO 4 VENT	156458, PSDTX1562M1
LCFVF5	LIME, CARBON, AND FLUX SILO 5 VENT	156458, PSDTX1562M1
LCFVF6	LIME, CARBON, AND FLUX SILO 6 VENT	156458, PSDTX1562M1
LHEAT	LAUNDER HEATER	156458, GHGPSDTX194, PSDTX1562M1
MSFUG	MELT SHOP	156458, GHGPSDTX194, PSDTX1562M1
PLST-1	PICKLING LINE SCALE BREAKER BAGHOUSE STACK	156458, PSDTX1562M1
PLST-2	PICKLING LINE MIST ELIMINATOR (SCRUBBER) STACK	156458, PSDTX1562M1
PROCCL	METAL COIL SURFACE COATING OPERATIONS	156458, PSDTX1562M1
PROCCL2	METAL COIL SURFACE COATING OPERATIONS LINE 2	156458, PSDTX1562M1
RTHEAT	RADIANT TUBE HEATERS	156458, GHGPSDTX194, PSDTX1562M1
T7	GASOLINE TANK	156458, PSDTX1562M1
TCMST	TANDEM COLD MILL MIST ELIMINATOR STACK	156458, PSDTX1562M1
TFST-1	HOT MILL TUNNEL FURNACE 1 STACK	156458, GHGPSDTX194, PSDTX1562M1
TFST-2	HOT MILL TUNNEL FURNACE 2 STACK	156458, GHGPSDTX194, PSDTX1562M1

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**
TNDDRY	TUNDISH DRYER	156458, GHGPSDTX194, PSDTX1562M1
TNDPREH	TUNDISH PREHEATERS	156458, GHGPSDTX194, PSDTX1562M1
VLPREH	VERTICAL LADLE PREHEATERS	156458, GHGPSDTX194, PSDTX1562M1
VTD1	VACUUM TANK DEGASSER FLARE 1 STACK	156458, GHGPSDTX194, PSDTX1562M1
VTD2	VACUUM TANK DEGASSER FLARE 2 STACK	156458, GHGPSDTX194, PSDTX1562M1
WA1	CGL-2 CLEANING SECTION MIST ELIMINATOR	156458, PSDTX1562M1
WA2	GALVANIZING LINE 2 HEATER STACK	156458, PSDTX1562M1

**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
RO ..... Responsible Official
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 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
BHST-1	Reverse Air Fabric Filter Baghouse 1 Stack (EAF1/LMS1)	PM	48.85	213.94	5, 6, 44, 46, 47, 51, 53, 55	5, 6, 44, 46, 47, 51, 53, 67, 68	5, 6, 44, 46, 47, 51, 57, 59, 60, 61, 63, 64, 66
		PM_{10}	48.85	213.94			
		$PM_{2.5}$	48.85	213.94			
		NO_x	68.90	301.78			
		CO	399.80	1,751.12			
		SO_2	47.20	206.74			
		VOC	18.37	80.48			
		Pb	0.11	0.49			
		Be	5.54E-05	2.43E-04			
		Cd	9.90E-04	4.34E-03			
		Cr	6.93E-04	3.04E-03			
		Hg	2.18E-02	0.10			
		Mn	0.06	0.26			
		Ni	1.09E-03	4.77E-03			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		F	1.98	8.67			
BHST-2	Reverse Air Fabric Filter Baghouse 2 Stack (EAF2/LMS2)	PM	48.85	213.94	5, 6, 44, 46, 47, 51, 53, 55	5, 6, 44, 46, 47, 51, 53, 67, 68	5, 6, 44, 46, 47, 51, 57, 59, 60, 61, 63, 64, 66
		PM_{10}	48.85	213.94			
		$PM_{2.5}$	48.85	213.94			
		NO_x	68.90	301.78			
		CO	399.80	1,751.12			
		SO_2	47.20	206.74			
		VOC	18.37	80.48			
		Pb	0.11	0.49			
		Be	5.54E-05	2.43E-04			
		Cd	9.90E-04	4.34E-03			
		Cr	6.93E-04	3.04E-03			
		Hg	2.18E-02	0.10			
		Mn	0.06	0.26			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Ni	1.09E-03	4.77E-03			
		F	1.98	8.67			
MSFUG	Melt Shop Fugitives (EAFs, LMSs, Ladle Dryer, Horizontal Ladle Preheaters 1-5, Vertical Ladle Preheaters 6-7, Tundish Dryer, Tundish Preheaters 1-2, Dolomite Lime inside Silo, Hi-Cal Lime Inside and Carbon Inside Silo #1 and #2) (5)	PM	0.35	1.54	4, 5, 6, 46, 49, 50	4, 5, 6, 46, 49, 50, 67, 68	2, 5, 6, 46, 57
		PM_{10}	0.26	1.13			
		$PM_{2.5}$	0.26	1.13			
		NO_x	16.60	72.71			
		CO	20.26	88.73			
		SO_2	1.68	7.38			
		VOC	1.23	5.38			
		Pb	2.24E-03	9.81E-03			
		Be	1.12E-06	4.91E-06			
		Cd	2.00E-05	8.76E-05			
		Cr	1.40E-05	6.13E-05			
		Hg	4.40E-04	1.93E-03			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Mn	1.20E-03	5.26E-03			
		Ni	2.20E-05	9.64E-05			
		F	0.04	0.18			
CASTFUG	Casting Fugitives (5)	PM	0.24	1.05	46, 50	46, 50, 67, 68	46
		PM_{10}	0.24	1.05			
		$PM_{2.5}$	0.24	1.05			
LCFVF1	Lime, Carbon, and Flux Silo 1 Vent	PM	0.07	0.30	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.07	0.30			
		$PM_{2.5}$	0.07	0.30			
LCFVF2	Lime, Carbon, and Flux Silo 2 Vent	PM	0.07	0.30	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.07	0.30			
		$PM_{2.5}$	0.07	0.30			
LCFVF3	Lime, Carbon, and Flux Silo 3 Vent	PM	0.07	0.30	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.07	0.30			
		$PM_{2.5}$	0.07	0.30			
LCFVF4	Lime, Carbon, and Flux Silo 4 Vent	PM	0.07	0.30	46, 48, 55	46, 48, 67, 68	46, 48

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM_{10}	0.07	0.30			
		$PM_{2.5}$	0.07	0.30			
LCFVF5	Lime, Carbon, and Flux Silo 5 Vent	PM	0.04	0.19	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.04	0.19			
		$PM_{2.5}$	0.04	0.19			
LCFVF6	Lime, Carbon, and Flux Silo 6 Vent	PM	0.04	0.19	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.04	0.19			
		$PM_{2.5}$	0.04	0.19			
EAFVF1	EAF Baghouse 1 Dust Silo Vent	PM	0.07	0.30	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.07	0.30			
		$PM_{2.5}$	0.07	0.30			
VTD1	Vacuum Tank Degasser Flare 1 Stack	PM	0.07	0.16	4, 27, 46, 55	4, 27, 46, 67, 68	2, 46, 57
		PM_{10}	0.07	0.16			
		$PM_{2.5}$	0.07	0.16			
		NO_x	0.98	2.15			
		CO	5.38	14.93			
		SO_2	<0.01	0.02			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	2.02	4.44			
VTD2	Vacuum Tank Degasser Flare 2 Stack	PM	0.07	0.16	4, 27, 46, 55	4, 27, 46, 67, 68	2, 46, 57
		PM_{10}	0.07	0.16			
		$PM_{2.5}$	0.07	0.16			
		NO_x	0.98	2.15			
		CO	5.38	14.93			
		SO_2	<0.01	0.02			
		VOC	2.02	4.44			
TFST-1	Hot Mill Tunnel Furnace 1 Stack	PM	0.08	0.34	4, 20, 44, 46, 51	4, 44, 46, 51, 67, 68	2, 44, 46, 51, 57, 59, 60, 61, 63, 64, 66
		PM_{10}	0.08	0.34			
		$PM_{2.5}$	0.08	0.34			
		NO_x	15.00	65.70			
		CO	12.35	54.11			
		SO_2	0.09	0.39			
		VOC	0.81	3.54			
TFST-2	Hot Mill Tunnel Furnace 2 Stack	PM	0.08	0.34	4, 20, 44, 46, 51	4, 44, 46, 51, 67, 68	2, 44, 46, 51, 57, 59, 60, 61, 63, 64, 66
		PM_{10}	0.08	0.34			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.08	0.34			
		NO_x	15.00	65.70			
		CO	12.35	54.11			
		SO_2	0.09	0.39			
		VOC	0.81	3.54			
TCMST	Tandem Cold Mill Mist Eliminator Stack	PM	11.44	50.09	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	11.44	50.09			
		$PM_{2.5}$	11.44	50.09			
PLST-1	Pickling Line Scale Breaker Baghouse Stack	PM	3.95	17.30	46, 48, 52, 55	46, 48, 52, 67, 68	46, 48, 57
		PM_{10}	3.95	17.30			
		$PM_{2.5}$	3.95	17.30			
PLST-2	Pickling Line Mist Eliminator (Scrubber) Stack	PM	0.68	2.97	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.68	2.97			
		$PM_{2.5}$	0.68	2.97			
		HCl	0.37	1.60			
CMBLR1	Pickling Line Boiler 1 Stack	PM	0.01	0.05	4, 5, 46	4, 5, 46, 67, 68	2, 5, 46
		PM_{10}	0.01	0.05			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.01	0.05			
		NO_x	1.00	4.38			
		CO	1.68	7.36			
		SO_2	0.01	0.05			
		VOC	0.11	0.48			
CMBLR2	Pickling Line Boiler 2 Stack	PM	0.01	0.05	4, 5, 46	4, 5, 46, 67, 68	2, 5, 46
		PM_{10}	0.01	0.05			
		$PM_{2.5}$	0.01	0.05			
		NO_x	1.00	4.38			
		CO	1.68	7.36			
		SO_2	0.01	0.05			
		VOC	0.11	0.48			
CMBLR3	Pickling Line Boiler 3 Stack	PM	0.01	0.05	4, 5, 46	4, 5, 46, 67, 68	2, 5, 46
		PM_{10}	0.01	0.05			
		$PM_{2.5}$	0.01	0.05			
		NO_x	1.00	4.38			
		CO	1.68	7.36			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO_2	0.01	0.05			
		VOC	0.11	0.48			
CGLST-1	CGL-1 Cleaning Section Mist Eliminator Stack	PM	0.16	0.69	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.16	0.69			
		$PM_{2.5}$	0.16	0.69			
WA1	CGL2 - Cleaning Section Stack	PM	0.13	0.58	46, 48, 55	46, 48, 67, 68	46, 48
		PM_{10}	0.13	0.58			
		$PM_{2.5}$	0.13	0.58			
GALVFUG	Galvanizing Fugitives (Annealing Furnaces, Launder Heater and Skin Pass Mill Mist Eliminator) (5)	PM	0.31	1.37	4, 46	4, 46, 67, 68	2, 46
		PM_{10}	0.31	1.37			
		$PM_{2.5}$	0.31	1.37			
		NO_x	6.43	28.16			
		CO	5.30	23.19			
		SO_2	0.04	0.17			
		VOC	0.35	1.52			
CGLST-2	Galvanizing Line Heater Stack (Hot Band and Cold Roll)	PM	0.05	0.22	4, 44, 46	4, 44, 46, 67, 68	2, 44, 46, 59, 60, 61, 63, 64, 66
		PM_{10}	0.05	0.22			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.05	0.22			
		NO_x	8.00	35.04			
		CO	8.24	36.07			
		SO_2	0.06	0.26			
		VOC	0.54	2.36			
WA2	CGL2 - Furnace Section (Annealing) Stack	PM	0.02	0.09	4, 44, 46	4, 44, 46, 67, 68	2, 44, 46, 59, 60, 61, 63, 64, 66
		PM_{10}	0.02	0.09			
		$PM_{2.5}$	0.02	0.09			
		NO_x	3.02	13.25			
		CO	0.63	2.76			
		SO_2	0.02	0.11			
		VOC	0.23	0.99			
RTO	Recuperative Thermal Oxidizer Stack (Recuperative Thermal Oxidizer, Primer Curing Oven, and Paint Line)	PM	0.05	0.18	4, 5, 35, 45, 46, 55	4, 5, 35, 41, 45, 46, 67, 68	2, 5, 45, 46, 57
		PM_{10}	0.04	0.19			
		$PM_{2.5}$	0.04	0.19			
		NO_x	8.24	36.07			
		CO	6.91	30.30			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO_2	0.05	0.22			
		VOC	45.33	199.07			
RTO2	Recuperative Thermal Oxidizer 2 Stack – Combustion Emissions Recuperative Thermal Oxidizer 2 Stack – Primer Oven and Paint Line 2	PM	0.03	0.13	4, 5, 35, 45, 46, 55	4, 5, 35, 41, 45, 46, 67, 68	2, 5, 45, 46, 57
		PM_{10}	0.03	0.13			
		$PM_{2.5}$	0.03	0.13			
		NO_x	2.94	12.88			
		CO	4.94	21.64			
		SO_2	0.04	0.15			
		VOC	0.65	2.83			
		PM	0.01	0.04			
		PM_{10}	0.01	0.04			
		$PM_{2.5}$	0.01	0.04			
		NO_x	0.98	4.29			
		CO	1.65	7.21			
		SO_2	0.01	0.05			
		VOC	44.76	196.04			
CT1	Meltshop Non-Contact Cooling Tower	PM	1.16	5.07	40, 46	40, 46, 67, 68	46

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM_{10}	0.28	1.21			
		$PM_{2.5}$	<0.01	<0.01			
CT3	815 EAF 2 NCCW Cooling Tower	PM	1.16	5.07	39, 46	39, 46, 67, 68	46
		PM_{10}	0.28	1.21			
		$PM_{2.5}$	<0.01	<0.01			
CT4	Cast Non-Contact Cooling Tower	PM	0.21	0.92	40, 46	40, 46, 67, 68	46
		PM_{10}	0.05	0.22			
		$PM_{2.5}$	<0.01	<0.01			
CT5	Caster Spray Cooling Tower	PM	0.18	0.79	39, 46	39, 46, 67, 68	46
		PM_{10}	0.04	0.19			
		$PM_{2.5}$	<0.01	<0.01			
CT6	Rolling Mill Non-Contact Cooling Tower	PM	0.90	3.95	40, 46	40, 46, 67, 68	46
		PM_{10}	0.21	0.94			
		$PM_{2.5}$	<0.01	<0.01			
CT7	RM Non-Contact Cooling Tower	PM	0.21	0.92	39, 46	39, 46, 67, 68	46
		PM_{10}	0.05	0.22			
		$PM_{2.5}$	<0.01	<0.01			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
CT8	Laminar Cooling Tower	PM	0.84	3.69	40, 46	40, 46, 67, 68	46
		PM_{10}	0.20	0.88			
		$PM_{2.5}$	<0.01	<0.01			
CT9	Cold Mill Galvanizing Cooling Tower	PM	0.39	1.71	40, 46	40, 46, 67, 68	46
		PM_{10}	0.09	0.41			
		$PM_{2.5}$	<0.01	<0.01			
EMGEN1	Emergency Generator 1	PM	0.18	<0.01	3, 4, 5, 6, 12, 46	3, 4, 5, 6, 12, 46, 67	3, 5, 6, 46
		PM_{10}	0.18	<0.01			
		$PM_{2.5}$	0.18	<0.01			
		NO_x	24.72	1.24			
		CO	15.43	0.77			
		SO_2	0.03	<0.01			
		VOC	3.50	0.18			
EMGEN2	Emergency Generator 2	PM	0.22	0.01	3, 4, 5, 6, 12, 46	3, 4, 5, 6, 12, 46, 67	3, 5, 6, 46
		PM_{10}	0.22	0.01			
		$PM_{2.5}$	0.22	0.01			
		NO_x	30.90	1.55			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		CO	19.29	0.96			
		SO_2	0.04	<0.01			
		VOC	4.37	0.22			
EMGEN3	Emergency Generator 3	PM	0.18	<0.01			
		PM_{10}	0.18	<0.01			
		$PM_{2.5}$	0.18	<0.01			
		NO_x	24.72	1.24	3, 4, 5, 6, 12, 46	3, 4, 5, 6, 12, 46, 67	3, 5, 6, 46
		CO	15.43	0.77			
		SO_2	0.03	<0.01			
		VOC	3.50	0.18			
EMGEN4	Emergency Generator 4	PM	0.18	<0.01			
		PM_{10}	0.18	<0.01			
		$PM_{2.5}$	0.18	<0.01			
		NO_x	24.72	1.24	3, 4, 5, 6, 12, 46	3, 4, 5, 6, 12, 46, 67	3, 5, 6, 46
		CO	15.43	0.77			
		SO_2	0.03	<0.01			
		VOC	3.50	0.18			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
EMGEN5	Emergency Generator 5	PM	0.22	0.01	3, 4, 5, 6, 12, 46	3, 4, 5, 6, 12, 46, 67	3, 5, 6, 46
		PM_{10}	0.22	0.01			
		$PM_{2.5}$	0.22	0.01			
		NO_x	30.90	1.55			
		CO	19.29	0.96			
		SO_2	0.04	<0.01			
		VOC	4.37	0.22			
BULK1	60" Belt Truss Conveyor	PM	0.34	1.49		67, 68	
		PM_{10}	0.16	0.71			
		$PM_{2.5}$	0.02	0.11			
BULK2	42" Belt Truss Conveyor	PM	0.51	2.24		67, 68	
		PM_{10}	0.24	1.06			
		$PM_{2.5}$	0.04	0.16			
BULK3	42" Belt Truss Conveyor	PM	0.26	1.12		67, 68	
		PM_{10}	0.12	0.53			
		$PM_{2.5}$	0.02	0.08			
BULK4	42" Belt Truss Conveyor	PM	0.26	1.12		67, 68	

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM_{10}	0.12	0.53			
		$PM_{2.5}$	0.02	0.08			
BULK5	36" Belt Truss Conveyor	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK6	36" Belt Truss Conveyor	PM	0.26	1.12		67, 68	
		PM_{10}	0.12	0.53			
		$PM_{2.5}$	0.02	0.08			
BULK7	42" Belt Truss Conveyor	PM	0.34	1.49		67, 68	
		PM_{10}	0.16	0.71			
		$PM_{2.5}$	0.02	0.11			
BULK8	36" Belt Channel Transfer Conveyor	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK9	36" Belt Truss Radial Stacker with Driven Undercarriage	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
BULK10	36" Belt Channel Transfer Conveyor	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK11	36" Belt Truss Radial Stacker with Driven Undercarriage	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK12	36" Belt Channel Transfer Conveyor	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK13	36" Belt Truss Radial Stacker with Driven Undercarriage	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK14	36" Belt Truss Stationary Stacker	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK15	36" Belt Truss Stationary Stacker	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.01	0.05			
BULK16	36" Belt Channel Transfer Conveyor	PM	0.09	0.37		67, 68	
		PM_{10}	0.04	0.18			
		$PM_{2.5}$	0.01	0.03			
BULK17	Feed Hopper with Grizzly Top	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK18	Tabor 50"x10' Pan Feeder with Grizzly Fingers	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK19	Overband Manger	PM	0.02	0.09		67, 68	
		PM_{10}	0.01	0.04			
		$PM_{2.5}$	0.00	0.01			
BULK20	Head Drum Magnet	PM	0.17	0.75		67, 68	
		PM_{10}	0.08	0.35			
		$PM_{2.5}$	0.01	0.05			
BULK21	Head Drum Magnet	PM	0.26	1.12		67, 68	

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM_{10}	0.12	0.53			
		$PM_{2.5}$	0.02	0.08			
BULK22	Tabor 6'x20' Double Deck Screen	PM	0.20	0.87		67, 68	
		PM_{10}	0.07	0.29			
		$PM_{2.5}$	0.01	0.04			
BULK23	Syntron Feeder with 10'x10' Storage Hopper Above	PM	0.13	0.56		67, 68	
		PM_{10}	0.06	0.26			
		$PM_{2.5}$	0.01	0.04			
BULK24	MxLanahan 3254 Jaw w/ Hydraulic Release	PM	0.05	0.24		67, 68	
		PM_{10}	0.02	0.11			
		$PM_{2.5}$	0.00	0.02			
BULK25	Tabor 62"x12" Pan Feeder	PM	0.13	0.56		67, 68	
		PM_{10}	0.06	0.26			
		$PM_{2.5}$	0.01	0.04			
BULK26	Dings 30"x72" Deep Draw Drum Magnet	PM	0.13	0.56		67, 68	
		PM_{10}	0.06	0.26			
		$PM_{2.5}$	0.01	0.04			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
BULK27	Taboe 6'x16' Double Dexck Screen	PM	0.13	0.58		67, 68	
		PM_{10}	0.04	0.19			
		$PM_{2.5}$	0.01	0.03			
SLGSKP1	Slag Stockpile 1	PM	0.79	3.44		67, 68	
		PM_{10}	0.37	1.63			
		$PM_{2.5}$	0.06	0.25			
SLGSKP2	Slag Stockpile 2	PM	0.14	0.63		67, 68	
		PM_{10}	0.07	0.30			
		$PM_{2.5}$	0.01	0.05			
SLGSKP3	Slag Stockpile 3	PM	0.00	0.01		67, 68	
		PM_{10}	0.00	0.00			
		$PM_{2.5}$	0.00	0.00			
SCRPSKP1	Scrap Metal Stockpile 1	PM	1.51	6.63	50	50, 67	
		PM_{10}	0.72	3.13			
		$PM_{2.5}$	0.11	0.47			
SCRPSKP2	Scrap Metal Stockpile 2	PM	1.51	6.63	50	50, 67	
		PM_{10}	0.72	3.13			

Major NSR Summary Table

Permit Numbers 156458 and PSDTX1562					Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	0.11	0.47			
SCRPSKP3	Scrap Metal Stockpile 3	PM	1.51	6.63	50	50, 67	
		PM_{10}	0.72	3.13			
		$PM_{2.5}$	0.11	0.47			
SCRPSKP4	Scrap Metal Stockpile 4	PM	1.51	6.63	50	50, 67	
		PM_{10}	0.72	3.13			
		$PM_{2.5}$	0.11	0.47			
T1	Diesel Tank	VOC	0.03	<0.01		67	
T7	Gasoline Tank Site-wide	VOC	10.69	0.70	6	6, 67	6
		Individual HAPs	-	<10			
		Total HAPs	-	<25			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Pb - lead

Be - beryllium
Cd - cadmium
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
F - fluoride
HCl - hydrochloric 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

(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) Planned startup and shutdown emissions are included. Maintenance activities, except as specified in Special Condition Nos. 43 and 44, are not authorized by this permit and will need separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119.

Major NSR Summary Table

Permit Number: GHGPSDTX194				Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
BHST-1	Reverse Air Fabric Filter Baghouse 1 Stack (EAF1/LMS1)	CO_2 (5)	177,266	70, 71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.29			
		N_2O (5)	0.03			
		CO_2e	177,281			
BHST-2	Reverse Air Fabric Filter Baghouse 2 Stack (EAF2/LMS2)	CO_2 (5)	177,266	70, 71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.29			
		N_2O (5)	0.03			
		CO_2e	177,281			
MSFUG	Melt Shop Fugitives (EAFs, LMSs, Ladle Dryer, Horizontal Ladle Preheaters 1-5, Vertical Ladle Preheaters 6-7, Tundish Dryer, and Tundish Preheaters 1-2)	CO_2 (5)	77,361	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	1.40			
		N_2O (5)	0.14			
		CO_2e	77,438			
VTD1	Vacuum Tank Degasser Flare 1 Stack	CO_2 (5)	4,857	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.07			
		N_2O (5)	6.99E-03			
		CO_2e	4,860			
VTD2	Vacuum Tank Degasser Flare 2 Stack	CO_2 (5)	4,857	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.07			
		N_2O (5)	6.99E-03			
		CO_2e	4,860			
TFST-1	Hot Mill Tunnel Furnace 1 Stack	CO_2 (5)	76,854	70, 71, 73, 74	71, 73, 74	71, 73, 74

Major NSR Summary Table

Permit Number: GHGPSDTX194				Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		CH_4 (5)	1.45			
		N_2O (5)	0.14			
		CO_2e	76,933			
TFST-2	Hot Mill Tunnel Furnace 2 Stack	CO_2 (5)	76,854	70, 71, 73, 74	71, 73, 74	71, 73, 74`
		CH_4 (5)	1.45			
		N_2O (5)	0.14			
		CO_2e	76,933			
CMBLR1	Pickling Line Boiler 1 Stack	CO_2 (5)	10,452	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.20			
		N_2O (5)	0.02			
		CO_2e	10,463			
CMBLR2	Pickling Line Boiler 2 Stack	CO_2 (5)	10,452	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.20			
		N_2O (5)	0.02			
		CO_2e	10,463			
CMBLR3	Pickling Line Boiler 3 Stack	CO_2 (5)	10,452	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.20			
		N_2O (5)	0.02			
		CO_2e	10,463			

Major NSR Summary Table

Permit Number: GHGPSDTX194				Issuance Date: February 13, 2026		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**	**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			TPY (4)	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
GALVFUG	Galvanizing Fugitives (Annealing Furnaces, Radiant Tube Furnaces, and Launder Heater)	CO_2 (5)	32,945	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.62			
		N_2O (5)	0.06			
		CO_2e	32,979			
CGLST-2	Galvanizing Line Heater Stack (Hot Band and Cold Roll)	CO_2 (5)	49,033	70, 71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.92			
		N_2O (5)	0.09			
		CO_2e	49,084			
RTO	Recuperative Thermal Oxidizer Stack (Recuperative Thermal Oxidizer, Finishing Oven, and Curing Oven)	CO_2 (5)	43,038	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.81			
		N_2O (5)	0.08			
		CO_2e	43,083			
EMGEN1	Emergency Generator 1	CO_2 (5)	153	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	6.30E-03			
		N_2O (5)	1.30E-03			
		CO_2e	154			

Major NSR Summary Table

Permit Number: GHGPSDTX194				Issuance Date: February 13, 2026		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
EMGEN2	Emergency Generator 2	CO_2 (5)	191	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	7.80E-03			
		N_2O (5)	1.60E-03			
		CO_2e	192			
EMGEN3	Emergency Generator 3	CO_2 (5)	153	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	0.0063			
		N_2O (5)	0.0013			
		CO_2e	154			
EMGEN4	Emergency Generator 4	CO_2 (5)	153	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	6.30E-03			
		N_2O (5)	1.30E-03			
		CO_2e	154			
EMGEN5	Emergency Generator 5	CO_2 (5)	191	71, 73, 74	71, 73, 74	71, 73, 74
		CH_4 (5)	7.80E-03			
		N_2O (5)	1.60E-03			
		CO_2e	192			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) CO_2 - carbon dioxide
N_2O - nitrous oxide
CH_4 - methane
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO_2 (1), N_2O (298), and CH_4 (25)
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.

(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Steel Dynamics Southwest, LLC
Authorizing the Construction and Operation of
Sinton Mill
Located at **Sinton, San Patricio County, Texas**
Latitude 28.05635 Longitude -97.45005

Permits: 156458, GHGPSDTX194, and PSDTX1562M1
Revision Date: February 13, 2026
Expiration Date: January 17, 2030

For the Commission

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

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] [1]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

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

Common Acronyms in Air Permits

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

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

Special Conditions

Permit Numbers 156458, PSDTX1562M1, and GHGPSDTX194

Emission Limitations

1. This permit authorizes only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission rates and other conditions specified in the table. In addition, this permit authorizes all emissions from planned startup and shutdown activities associated with facilities or groups of facilities that are authorized by this permit.

Fuel Specifications

2. Fuel for the ladle dryer, ladle preheaters, tundish dryer, tundish preheaters, pickling line boilers, galvanizing line heaters, radiant tube heaters, launder heater, curing ovens, recuperative thermal oxidizer, annealing furnaces, hot mill tunnel furnaces, and vacuum tank degasser flares shall be pipeline-quality natural gas. Use of any other fuel will require prior approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ). Waste gas combusted by these units is not counted as fuel.

3. Fuel for the Emergency Engines (EPNs EMGEN1 – EMGEN5) shall be ultra-low sulfur diesel fuel with a maximum sulfur content of not more than 0.0015 percent by weight and shall not consist of a blend containing waste oils or solvents. Use of any other fuel will require prior approval of the Executive Director of the TCEQ.

4. Upon request by the Executive Director of the TCEQ or the TCEQ Regional Director or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuels used in these facilities or shall allow air pollution control program representatives to obtain a sample for analysis.

Federal Applicability

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

   A. Subpart A - General Provisions;

   B. Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Units;

   C. Subpart TT - Metal Coil Surface Coating;

   D. Subpart AAa – Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed after August 17, 1983; and

   E. Subpart IIII - Stationary Compression Ignition Internal Combustion Engines.

6. These facilities shall comply with all applicable requirements of the EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63, specifically the following:

   A. Subpart A - General Provisions;

   B. Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines;

C. Subpart YYYYY – Area Sources: Electric Arc Furnace Steelmaking Facilities; and

D. Subpart CCCCCC - Area Sources: Gasoline Dispensing Facilities.

Opacity/Visible Emission Limitations

7. Opacity of particulate matter emissions from the Lime, Carbon, and Flux Silo Vents (EPNs LCFVF1 – LCFVF6), EAF Baghouse Dust Silo Vent (EPN EAFVF1), Tandem Cold Mill Mist Eliminator Stack (EPN TCMST), Pickling Line Scale Breaker Baghouse Stack (EPN PLST-1), Pickling Line Mist Eliminator (Scrubber) Stack (EPN PLST-2), CGL-1 Cleaning Section Mist Eliminator Stack (EPN CGLST-1), CGL-2 Cleaning Section Mist Eliminator Stack (EPN WA1), and the recuperative thermal oxidizer (EPN RTO2) shall not exceed 5 percent, averaged over a six-minute period. **(12/22)**

8. Opacity of particulate matter emissions from the Reverse Air Fabric Filter Baghouse Stacks (EPNs BHST-1 and BHST-2) shall not exceed 3 percent, averaged over a six-minute period.

9. Opacity of particulate matter emissions from the melt shop shall not exceed 6 percent, averaged over a six-minute period.

10. There shall be no visible fugitive emissions leaving the property from the meltshop building, rolling mill building, scrap loading/unloading, roads and travel areas for more than 30 cumulative seconds in any six-minute period.

Operational Limitations, Work Practices, and Plant Design

11. Emission rates are based on and the facilities shall be limited to a nominal hourly steel production of 400 tons per hour and a maximum annual steel production of 3,504,000 tons per year. Hourly production rates shall be calculated based on operating hours and tons of steel produced as measured by the tap weight and averaged over a rolling 12-month basis, updated monthly.

12. The facilities are authorized to operate up to 8,760 hours per year, except for the Emergency Engines (EPNs EMGEN1 – EMGEN5) which shall be limited to 100 hours per year each for maintenance and readiness testing. The engines shall include a non-resettable hour meter.

13. Emissions from each of Reverse Air Fabric Filter Baghouse Stacks (EPNs BHST-1 and BHST-2) shall not exceed the following:

Table 1: Emission Rates (Including Planned Maintenance, Startup, and Shutdown)

Pollutant	Rates
NO_x	0.35 lb/ton steel *
SO_2	0.24 lb/ton steel *
VOC	0.093 lb/ton steel
CO	2.02 lb/ton steel *
Fluorides	0.01 lb/ton steel
Pb	0.00056 lb/ton steel

* 30-day rolling average

14. Fabric filter baghouses with an outlet grain loading of not more than 0.0052 grains per dry standard cubic foot (gr/dscf) of exhaust each, properly installed and in good working order, shall control particulate matter emissions from the Electric Arc Furnaces and Ladle Metallurgical Stations when this equipment is in operation.

15. Emissions from the Electric Arc Furnaces shall be captured as follows:

    A. by a direct-shell evacuation control (DEC) system when the furnace roof is closed; and

    B. by a roof canopy hood, when the furnace roof is open.

16. Fabric filter dust collectors shall be designed to meet the maximum outlet grain loading values listed in the table below, in units of grain per dry standard cubic foot (gr/dscf) of exhaust. The dust collectors shall be properly installed and in good working order and shall control particulate matter emissions, when this equipment is in operation, from the following sources: **(12/22)**

Table 2: Fabric Filter Dust Collector Maximum Outlet Grain Loading Values

EPN	Source Name	Outlet Grain Loading (gr/dscf)
LCFVF1	Lime, Carbon, and Flux Silo 1	0.01
LCFVF2	Lime, Carbon, and Flux Silo 2	0.01
LCFVF3	Lime, Carbon, and Flux Silo 3	0.01
LCFVF4	Lime, Carbon, and Flux Silo 4	0.01
LCFVF5	Lime, Carbon, and Flux Silo 5	0.01
LCFVF6	Lime, Carbon, and Flux Silo 6	0.01
EAFVF1	EAF Baghouse 1 Dust Silo	0.01
VTDST-1	Vacuum Tank Degasser (vacuum bag filter)	0.0083
VTDST-2	Vacuum Tank Degasser (vacuum bag filter)	0.0083
PLST-1	Pickling Line Scale Breaker	0.0087

17. Mist eliminators shall be designed to meet the maximum outlet grain loading values listed in the table below, in units of grain per dry standard cubic foot (gr/dscf) of exhaust. The mist eliminators shall be properly installed and in good working order and shall control particulate matter emissions, when this equipment is in operation, from the following sources: **(12/22)**

Table 3: Mist Eliminator Maximum Outlet Grain Loading Values

EPN	Source Name	Outlet Grain Loading (gr/dscf)
PLST-2	Pickling Line	0.01
CGLST-1	CGL1 Cleaning Section	0.003
TCMST	Tandem Cold Mill	0.0066
WA1	CGL2 Cleaning Section	0.003

EPN	Source Name	Outlet Grain Loading (gr/dscf)
SPMST	Skin Pass Mill	0.01

18. Continuous casting shall be controlled by utilizing tundish covers during casting operations.

19. A visible and/or audible warning device shall be installed on each of the storage silos to warn operators when the silos are full so that silos are not overloaded. The silos shall not be overloaded at any time.

20. All hooding, duct, and collection systems shall be effective in capturing emissions from the intended equipment and in preventing excess fugitive emissions from the building. The hooding and duct systems shall be maintained free of holes, cracks, and other conditions that would substantially reduce the collection efficiency of the emission capture system.

21. All particulate material retrieved from any of the baghouses shall be handled in a manner that will prevent excess material from becoming airborne into the atmosphere.

22. NO_x emissions shall not exceed the following limits (hourly average): **(12/22)**

Table 4: NO_x Emission Limits

EPN	Source Name	Emission Limit (lb NO_x/MMBtu)
CMBLR1	Pickling Line Boiler 1	0.049
CMBLR2	Pickling Line Boiler 2	0.049
CMBLR3	Pickling Line Boiler 3	0.049
CGLST-2	Cold Roll Galvanizing Line 1 Heater	0.08
CGLST-2	Galvanizing Line Auxiliary Burner	0.10
CGLST-2	Radiant Tube Heater	0.10
WA2	Galvanizing Line 2 Heater	0.072

23. Permanently mounted spray bars shall be installed at the inlet and outlet of the crusher and at screens and slag handling material transfer points as needed to deliver appropriate moisture to the slag material. A dedicated water truck or area-type water sprays shall be available or installed at all slag stockpiles. All water spray systems shall be operated as necessary to maintain compliance with applicable TCEQ rules and regulations addressing these activities.

24. All in-plant roads, truck loading and unloading areas, parking areas, and other traffic areas shall be sprinkled with water, and/or be paved (with a cohesive hard surface) and cleaned as necessary to maintain compliance with all applicable TCEQ rules and regulations.

25. The Auxiliary Storage Tanks (EPNs T1 and T7) shall be fixed roof with submerged fill. Except for labels, logos, etc. not to exceed 15 percent of the tank total surface area, uninsulated tank exterior surfaces exposed to the sun shall be white or unpainted aluminum. **(12/22)**

Vacuum Tank Degassers

26. Flares shall be used to control CO emissions from the Vacuum Tank Degassers. The flares shall achieve a 98 percent or greater control efficiency for CO emissions.

27. The Vacuum Tank Degasser Flares (EPNs VTDST-1 and VTDST-2) shall be designed and operated in accordance with the following requirements:

    A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity at all times when emissions may be vented to them.

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

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

    C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours.

Pickling Line

28. The pickling line tanks shall be covered and vented to the Pickling Line Mist Eliminator (Scrubber).

29. A mist eliminator scrubber shall be used to control HCl emissions from the pickling bath. The outlet concentration of HCl from the Pickling Line Mist Eliminator (Scrubber) Stack (EPN PLST-2) shall not exceed 6 parts per million by volume (ppmv).

30. Hydrogen gas cleaning shall be used to prepare the steel for galvanizing to prevent fumes from the zinc pot. The use of fluxing agents in the Galvanizing Line is not authorized.

31. Spillage of acid, caustic, or other process materials shall be cleaned up as soon as practical and contained to minimize fugitive emissions.

32. During non-operational periods, either a fume suppressant shall be used in the pickling bath, or the pickling bath shall be covered to reduce evaporative losses. All air pollution abatement equipment shall be properly maintained, and cleaning and maintenance of the equipment shall be performed as recommended by the manufacturer and as necessary so that the equipment efficiency can be adequately maintained.

Paint Line

33. Surface coating operations include the application of surface coatings, the drying of surface coatings, all cleanup activities involving the use of solvent, the mixing of surface coatings, and the thinning of surface coatings using solvents.

34. All surface coating operations shall be restricted to the Paint Line and shall be performed according to the following requirements:

    A. Flow coating application equipment or other equipment, such as roller or brush systems, that is demonstrated to reach the same transfer efficiency shall be used. This equipment shall be operated and maintained within the limits set forth by the manufacturer.

    B. The face velocity across each natural draft opening (NDO) on each coating booth and oven shall be at least 100 feet per minute (fpm) during all surface coating and drying operations.

35. The ventilation system for the paint lines and associated ovens shall route the emissions to a recuperative thermal control device (e.g., thermal oxidizer) which meets the following requirements:

    A. The thermal control device for Paint Line 1 (EPN RTO) shall achieve a 98 percent or greater destruction efficiency for organic compounds emissions. The thermal control device for Paint Line 2 (EPN RTO2) shall achieve a 99 percent or greater destruction efficiency for organic compounds emissions.

    B. Each thermal control device shall be equipped with a monitor (temperature sensor) that continuously measures and records the temperature of the thermal control device combustion chamber or in the duct immediately downstream of the combustion chamber before any substantial heat exchange occurs and shall be accurate to within ± 5°F. The combustion chamber temperature shall be maintained at greater than or equal to 1,435 °F based on a 3-hour block average temperature over four equally spaced measurement points per hour.

    C. Once every six months or at a longer frequency according to the manufacturer's recommendations, an accuracy audit shall be conducted to determine if the temperature sensor in each RTO is still functioning properly. Accuracy audit methods include comparisons of sensor output to redundant temperature sensors, to calibrated temperature measurement devices, or to temperature simulation devices. Permittee may opt to replace the temperature sensor in lieu of performing an accuracy audit. The temperature sensor shall be repaired or replaced with a new sensor if the sensor is damaged and/or broken, and shall be recalibrated, repaired or replaced if the sensor is no longer accurate to within ± 5°F.

    D. Conduct a visual inspection of each sensor every quarter if redundant temperature sensors are not used.

    E. The operating instructions for each thermal control device shall be established and made readily available to all of the thermal control device operators.

    F. Each thermal control device shall be operated and maintained in conformance with all of the manufacturer specifications and recommendations.

    G. Each thermal control device capture system's ductwork shall be operated under negative pressure. An audio, visual, and olfactory (AVO) inspection of the capture system shall be performed monthly to check for leaking components. The capture system shall be maintained free of holes, cracks, and other conditions that would substantially reduce the collection efficiency of the capture system.

    H. An inspection and maintenance log shall be kept for each thermal control device whereby the log shall note the date of each inspection, the name of the inspector, and any repairs and/or maintenance work performed on the thermal control device and its capture system.

I. Materials containing halogenated organic compounds shall not be used in the surface coating operations and vented to the thermal control devices.

36. Planned maintenance on the thermal control device shall only be performed during periods when the facilities being controlled by the thermal control device are not in operation.

37. The ventilation system for the thermal oxidizers (EPNs RTO and RTO2) shall include an exhaust stack that has no obstructions or restrictions to vertical exhaust flow at the discharge point of the exhaust stack. The exhaust stack of EPN RTO shall have a height (as measured from ground level to the discharge point) that is equal to or greater than 89.99 feet. The exhaust stack of EPN RTO2 shall have a height (as measured from ground level to the discharge point) that is equal to or greater than 76.57 feet.

38. The site shall comply with 30 TAC § 115.453(d)(1) and (d)(2) regardless of whether the facilities would otherwise be subject to these requirements.

Cooling Towers

39. The 815 EAF 2 NCCW Cooling Tower (EPN CT3) shall be operated and monitored in accordance with the following:

A. Cooling towers shall each be equipped with drift eliminators having manufacturer's design assurance of 0.0005% drift or less. Drift eliminators shall be maintained and inspected at least annually. The permit holder shall maintain records of all inspections and repairs.

B. Total dissolved solids (TDS) shall not exceed 6,000 parts per million by weight (ppmw) on a monthly basis. Dissolved solids in the cooling water drift are considered to be emitted as PM, PM_{10}, and $PM_{2.5}$ as represented in the permit application calculations. **(12/22)**

C. Cooling towers shall be analyzed for particulate emissions using one of the following methods:

(1) Cooling water shall be sampled at least once per day for total dissolved solids (TDS); or

(2) TDS monitoring may be reduced to weekly if conductivity is monitored daily and TDS is calculated using a ratio of TDS-to-conductivity (in ppmw per µmho/cm or ppmw/siemens). The ratio of TDS-to-conductivity shall be determined by concurrently monitoring TDS and conductivity on a weekly basis. The permit holder may use the average of two consecutive TDS-to-conductivity ratios to calculate daily TDS; or

(3) TDS monitoring may be reduced to quarterly if conductivity is monitored daily and TDS is calculated using a correlation factor established for each cooling tower. The correlation factor shall be the average of nine consecutive weekly TDS-to-conductivity ratios determined using C(2) above provided the highest ratio is not more than 10% larger than the smallest ratio.

(4) The permit holder shall validate the TDS-to-conductivity correlation factor once each calendar quarter. If the ratio of concurrently sampled TDS and conductivity is more than 10% higher or lower than the established factor, the permit holder shall increase TDS monitoring to weekly until a new correlation factor can be established.

D. Cooling water sampling shall be representative of the cooling tower feed water and shall be conducted using approved methods.

(1) The analysis method for TDS shall be EPA Method 160.1, ASTM D5907, or SM 2540 C [SM - 19th edition of Standard Methods for Examination of Water]. Water samples should be capped upon collection, and transferred to a laboratory area for analysis.

(2) The analysis method for conductivity shall be either ASTM D1125-95A (field or routine laboratory testing) or ASTM D1125-95B (continuous monitor). The analysis may be conducted at the sample site or with a calibrated process conductivity meter. If a conductivity meter is used, it shall be calibrated at least annually. Documentation of the method and any associated calibration records shall be maintained.

(3) Alternate sampling and analysis methods may be used to comply with D(1) and D(2) with written approval from the TCEQ Regional Director.

(4) Records of all instrument calibrations and test results and process measurements used for the emission calculations shall be retained.

E. Emission rates of PM, PM_{10} and $PM_{2.5}$ shall be calculated using the measured TDS and the ratio or correlation of TDS to conductivity measurements, the design drift rate and the daily maximum and average actual cooling water circulation rate for the short term and annual average rates. Alternately, the design maximum circulation rate may be used for all calculations. Emission records shall be updated monthly.

40. The Cooling Towers (EPNs CT1 and CT4-CT9) shall be operated and monitored in accordance with the following: **(12/22)**

A. Each cooling tower shall be equipped with drift eliminators having manufacturer's design of 0.0005% drift or less. Drifts eliminators shall be maintained and inspected at least annually. The permit holder shall maintain records of all inspections and repairs.

B. Total dissolved solids (TDS) shall not exceed 6,000 parts per million by weight (ppmw) on a monthly basis. Dissolved solids in the cooling water drift are considered to be emitted as PM, PM_{10}, and $PM_{2.5}$ as represented in the permit application calculations.

C. Cooling water shall be sampled at least once per week for TDS.

D. Cooling water sampling shall be representative of the cooling tower feed water and shall be conducted using approved methods.

(1) The analysis method for TDS shall be EPA Method 160.1, ASTM D5907, and SM 2540 C [SM - 19th edition of Standard Methods for Examination of Water]. Water samples should be capped upon collection, and transferred to a laboratory area for analysis.

(2) Alternate sampling and analysis methods may be used to comply with D(1) with written approval from the TCEQ Regional Director.

(3) Records of all instrument calibrations and test results and process measurements used for the emission calculations shall be retained.

E. Emission rates of PM, PM_{10} and $PM_{2.5}$ shall be calculated using the measured TDS, the design drift rate and the daily maximum and average actual cooling water circulation rate for the short term and annual average rates. Alternately, the design maximum circulation rate may be used for all calculations. Emission records shall be updated monthly.

Material Usage Flexibility

41. In addition to the approved materials, the use of new materials or products that meet all of the following sub-conditions are allowed**.** Pollutants from categories of air pollutants not currently authorized on the Maximum Allowable Emission Rates Table (MAERT) cannot be authorized using this special condition. This special condition does not authorize the use of any chlorinated or fluorinated compound when emissions are routed to a thermal control device.

    A. All the ingredients of the new material are known; i.e., the weight percentages of the ingredients add to 100 percent or more.

    B. The maximum hourly (short-term) or annual emission rates from new or existing air contaminant ingredients (aka air contaminants) shall not cause any increases in the short-term or annual emission rates as listed on the MAERT.

    C. Emissions from the new material shall only be from the emission points represented in the table provided in paragraph F(2) of this special condition.

    D. Any air contaminant in the new material is exempt from paragraphs E through G of this special condition if the air contaminant is currently authorized under this permit and the proposed emission rate from each EPN is less than or equal to the authorized emission rate from the same EPN.

    E. Any air contaminant in the new material is exempt from paragraphs F and G of this special condition if:

        (1) it is emitted at a rate and has a short-term ESL and an annual ESL as stated in the following table; or

Table 5: Exempt Rates

Emission Rate (lbs/hr)	Short-term ESL (µg/m^3)	Annual ESL (µg/m^3)
≤ 0.04	≥ 2 and < 500	≥ 0.2 and < 50
≤ 0.10	≥ 500 and < 3,500	≥ 50 and < 350
≤ 0.40	≥ 3,500	≥ 350

        (2) it has at least one of the following physical characteristics:

            (a) a vapor pressure less than 0.01 mm Hg (0.0002 psi) at 68°F;

            (b) a boiling point at atmospheric pressure that is above 400°F (204°C), provided the compound is not heated above room temperature in the process; or

            (c) a molecular weight that is above 200 g/g-mol, provided the compound is not heated above room temperature in the process.

    F. For all other new air contaminants or increases in existing air contaminants, the following procedure shall be completed to determine if the short-term impacts are acceptable.

        (1) Determine the emission rate of each air contaminant including emissions of the same air contaminant (if an existing air contaminant) from the currently authorized materials that may be emitted at the same time from each emission point.

(2) Multiply the emission rate of the air contaminant by the unit impact multiplier for each emission point from the following table to determine the off-property impact Ground Level Concentration $(GLC)_{MAX}$ for each emission point.

Table 6: Unit Impact Multipliers

EPN	Unit Impacts ($\mu g/m^3$ per lb/hr)
RTO	3.88
RTO2	0.13

(3) Sum the impacts from each emission point/emission point group to determine a total short-term off-property impact (Total GLC_{MAX}) for the new or existing air contaminant.

(4) Compare the total short-term off-property impact to the short-term ESL for the air contaminant as shown below to determine if it is less than or equal to the ESL. If the total off-property impact exceeds the short-term ESL, then a permit amendment is required to authorize the emission rate for the air contaminant.

Total $GLC_{MAX} \leq ESL_{SHORT}$

Where:

Total GLC_{MAX} = The sum of the short-term GLCs from each emission point.

ESL_{SHORT} = The short-term ESL of the new or existing air contaminant from the most current set of ESLs available through the TCEQ Toxicity Factor Database and the date of the database retrieval or as specifically derived by the TCEQ Toxicology Division. The ESL shall be obtained in writing prior to the use of the new or increased air contaminant.

G. For all other new air contaminants or increases in existing air contaminants, the following procedure shall be completed to determine if the annual impacts are acceptable.

(1) Determine the annual emission rate (tpy) of each air contaminant including emissions of the same air contaminant (if an existing air contaminant) from the currently authorized materials that may be emitted at the same time from each emission point.

(2) Convert the annual emission rate to an hourly emission rate using 8,760 hours per year and 2,000 pounds per ton.

(3) Multiply the hourly emission rate (lb/hr) of the air contaminant determined in paragraph G(2) of this special condition by the unit impact multiplier for each emission point from the table provided in paragraph F(2) of this special condition to determine the off-property impact GLC_{MAX} for each emission point.

(4) Sum the impacts from each emission point to determine a total off-property impact (Total GLC_{MAX}) for the new or existing air contaminant.

(5) Multiply the total off-property impact (Total GLC_{MAX}) determined in paragraph G(4) of this special condition by 0.08 to determine the annual off-property impact (Annual GLC_{MAX}) for the new or existing air contaminant.

(6) Compare the annual off-property impact to the annual ESL for the air contaminant as shown below to determine if it is less than or equal to the ESL. If the annual off-

property impact exceeds the annual ESL, then a permit amendment is required to authorize the emission rates for the air contaminant.

Annual $GLC_{MAX} \leq ESL_{ANNUAL}$

Where:

ESL_{ANNUAL} = The annual ESL of the new or existing air contaminant from the most current set of ESLs available through the TCEQ Toxicity Factor Database or as specifically derived by the TCEQ Toxicology Division.

Planned Maintenance, Startup, and Shutdown (MSS)

42. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the facility.

43. The following planned maintenance activities are authorized:

    A. Ladle Relining including removal and replacement of refractory brick. The operation shall be performed in the Ladle Bay.

    B. Furnace Relining including removal and replacement of refractory brick shall be performed in the Furnace Bay.

    C. Furnace Roof / Crane Cleaning. Furnace roof cleaning shall be performed in the Furnace Bay.

    D. Bag/Filter Replacement.

    E. Welding, cutting, and grinding.

    F. Coating pan rinsing.

Initial Determination of Compliance

44. To demonstrate compliance with the MAERT and with emission performance levels as specified in the special conditions, the holder of this permit shall perform stack sampling and/or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere for the sources and air contaminants in the table below. Sampling shall be accomplished within 60 days of achieving maximum production but not later than 180 days after startup. Sampling must be conducted in accordance with the TCEQ *Guidelines for Stack Sampling Facilities* and in accordance with the applicable EPA 40 CFR procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director prior to sampling. **(12/22)**

Table 7: Sources and Contaminants Requiring Stack Testing

EPN	Source Name	Contaminant
BHST-1	Reverse Air Fabric Filter Baghouse 1 Stack	PM, PM_{10}, $PM_{2.5}$, VOC, Pb, and fluorides
BHST-2	Reverse Air Fabric Filter Baghouse 2 Stack	PM, PM_{10}, $PM_{2.5}$, VOC, Pb, and fluorides

EPN	Source Name	Contaminant
TFST-1	Hot Mill Tunnel Furnace 1 Stack	CO
TFST-2	Hot Mill Tunnel Furnace 2 Stack	CO
CGLST-2	Galvanizing Line 1 Heater Stack (Cold Roll)	NO_x and CO
WA2	Galvanizing Line 2 Heater Stack	NO_x and CO

45. One-time testing and sampling of the Recuperative Thermal Oxidizers (EPNs RTO and RTO2) shall be performed in order to verify the destruction efficiency of the thermal control device and determine the minimum operating temperature needed to meet the minimum required destruction efficiency. The operating temperature shall be based on a 3-hour block average.

    A. The testing shall be performed as follows:

        (1) The testing shall be performed during maximum operating conditions for the facilities that are controlled by the thermal control device; and

        (2) The thermal control device shall operate at a temperature high enough to ensure compliance with the minimum required destruction efficiency.

    B. Testing shall be accomplished within 60 days of achieving maximum production but not later than 180 days after startup.

    C. Submit an alteration request to the TCEQ within 6 months of the testing to incorporate into the permit the minimum operating temperature needed to meet the minimum required destruction efficiency.

Demonstration of Continuous Compliance

46. Upon request by the TCEQ Executive Director or the TCEQ Regional Director having jurisdiction, the holder of this permit shall perform stack sampling and/or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere to demonstrate compliance with the MAERT and with emission performance levels as specified in the special conditions and/or otherwise prove satisfactory equipment performance. Sampling must be conducted in accordance with the TCEQ *Guidelines for Stack Sampling Facilities* and in accordance with the applicable EPA 40 CFR procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director or the appropriate TCEQ Regional Director prior to conducting sampling.

47. The holder of this permit shall conduct a daily visible emissions determination to demonstrate compliance with the opacity limitations specified in this permit for the Reverse Air Fabric Filter Baghouse Stacks (EPNs BHST-1 and BHST-2). This visible emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), and 5) at least two stack heights, but not more than five stack heights, from the emission point. If visible emissions are observed from the emission point, the owner or operator shall:

    A. Take immediate action (as appropriate) to eliminate visible emissions, record the corrective action within 24 hours, and comply with any applicable requirements in 30 Texas Administrative Code (TAC) § 101.201, Emissions Event Reporting and Recordkeeping Requirements; or

B. Determine opacity using 40 CFR Part 60, Appendix A, Test Method 9. If the opacity limit is exceeded, take immediate action (as appropriate) to reduce opacity to within the permitted limit, record the corrective action within 24 hours, and comply with applicable requirements in 30 TAC § 101.201, Emissions Event Reporting and Recordkeeping Requirements.

48. The holder of this permit shall conduct a quarterly visible emissions determination to demonstrate compliance with the opacity limitations specified in this permit for the Lime, Carbon, and Flux Silo Vents (EPNs LCFVF1 – LCFVF6), EAF Baghouse Dust Silo Vent (EPN EAFVF1), Tandem Cold Mill Mist Eliminator Stack (EPN TCMST), Pickling Line Scale Breaker Baghouse Stack (EPN PLST-1), Pickling Line Mist Eliminator (Scrubber) Stack (EPN PLST-2), CGL-1 Cleaning Section Mist Eliminator Stack (EPN CGLST-1), CGL-2 Cleaning Section Mist Eliminator Stack (EPN WA2), and the recuperative thermal oxidizer (EPN RTO2). This visible emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), and 5) at least two stack heights, but not more than five stack heights, from the emission point. If visible emissions are observed from the emission point, the owner or operator shall: **(12/22)**

A. Take immediate action (as appropriate) to eliminate visible emissions, record the corrective action within 24 hours, and comply with any applicable requirements in 30 Texas Administrative Code (TAC) § 101.201, Emissions Event Reporting and Recordkeeping Requirements; or

B. Determine opacity using 40 CFR Part 60, Appendix A, Test Method 9. If the opacity limit is exceeded, take immediate action (as appropriate) to reduce opacity to within the permitted limit, record the corrective action within 24 hours, and comply with applicable requirements in 30 TAC § 101.201, Emissions Event Reporting and Recordkeeping Requirements.

49. The holder of this permit shall install, calibrate, and maintain a monitoring device that allows the pressure in the free space inside the EAF to be monitored, according to 40 CFR § 60.274a(f). The pressure shall be recorded as 15-minute integrated averages. The monitoring device shall be installed in any appropriate location in the EAF or DEC duct prior to the introduction of ambient air such that reproducible results will be obtained. The pressure monitoring device shall have an accuracy of ±5 mm of water gauge over its normal operating range and shall be calibrated according to the manufacturer's instructions. As an alternative to a furnace static pressure monitoring device, melt shop opacity observations shall be conducted at least once per day when the furnace is operating in the meltdown and refining period. Shop opacity shall be determined as the arithmetic average of 24 consecutive 15-second opacity observations of emissions form the shop taken in accordance with 40 CFR Part 60, Appendix A, Test Method 9 according to 40 CFR § 60.273a(d).

50. The holder of this permit shall conduct a quarterly visible fugitive emissions determination to demonstrate compliance with the visible emissions limitation specified in this permit for the meltshop building, rolling mill building, scrap loading/unloading, roads and travel areas. This visible fugitive emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to any noted visible fugitive emissions and the nearest property line taking into consideration wind direction, 4) with the sun behind the observer (to the extent practicable), 5) at least 15 feet, but not more than 0.25 mile, from the plume, and 6) in accordance with EPA 40 CFR Part 60, Appendix A, Test Method 22, except where stated otherwise in this condition. If visible fugitive emissions leaving the property exceed 30 cumulative seconds in any six-minute period, the owner or operator shall take immediate action (as

appropriate) to eliminate the excessive visible fugitive emissions. The corrective action shall be documented within 24 business hours of completion.

51. The holder of this permit shall install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) and continuous flow rate sensor to measure and record the concentrations of contaminants and exhaust flow rate for the sources and contaminants in the following table:

Table 8: Sources and Contaminants Requiring CEMS

EPN	Source Name	Contaminant
BHST-1	Reverse Air Fabric Filter Baghouse 1 Stack	NO_x, CO, SO_2
BHST-2	Reverse Air Fabric Filter Baghouse 2 Stack	NO_x, CO, SO_2
TFST-1	Hot Mill Tunnel Furnace 1 Stack	NO_x
TFST-2	Hot Mill Tunnel Furnace 2 Stack	NO_x

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

The flow rate sensor shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification No. 6, 40 CFR Part 60, Appendix B.

B. The CEMS shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in 40 CFR Part 60, Appendix B or as specified by the TCEQ if not specified in Appendix B.

Each CEMS shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2. All cylinder gas audit exceedances of ± 15 percent accuracy and any CEMS downtime shall be reported to the appropriate TCEQ Regional Director in the "Excess Emissions and CEMS Downtime" quarterly report that is used to comply with 40 CFR § 60.7(c), and necessary corrective action shall be taken. Failure to complete any corrective action as directed by the TCEQ Regional Office may be deemed a violation of the permit. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

The flow rate monitoring system shall be maintained according to 40 CFR Part 60, Appendix B.

C. Each CEMS shall complete a minimum of one cycle of sampling, analyzing, and data recording for each successive 15-minute period. One-hour averages shall be computed from at least four data points equally-spaced over each one-hour period. Data recorded during periods of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the computed data averages.

The monitoring data shall be reduced to hourly average concentrations at least once per day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission

rate in pounds per hour at least once per day and cumulative tons per year on a 12-month rolling average at least once per month.

D. The TCEQ Regional Director with jurisdiction shall be notified as soon as possible after the discovery of any CEMS malfunction that is expected to result in more than 24 hours of lost data. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director in case of extended CEMS downtime.

E. The TCEQ Regional Office with jurisdiction shall be notified in writing at least 30 days prior to any Relative Accuracy Test Audit (RATA) required by 40 CFR Part 60, Appendix F in order to provide the TCEQ staff the opportunity to observe the testing.

F. All monitoring data and quality-assurance data shall be maintained by the source for a rolling 24-month period and made available at the request of the TCEQ Executive Director or designated representative.

52. The holder of this permit shall install, calibrate, and maintain a device to monitor and record pressure drop in the Pickling Line Scale Breaker Baghouse (EPN PLST-1). The monitoring devices shall be calibrated in accordance with the manufacturer's specifications and shall be calibrated or replaced at least annually and shall be accurate to within a range of ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span. **(12/22)**

A minimum and maximum pressure drop shall be maintained in accordance with the manufacturer's specifications. The actual pressure drop shall be recorded at least once per day.

53. The holder of this permit shall install, calibrate, and maintain a bag leak detection system in each of the Reverse Air Fabric Filter Baghouses (EPNs BHST-1 and BHST-2). The bag leak detection systems shall be calibrated and maintained in a manner consistent with EPA, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015) and with the approved site-specific monitoring plan.

A maximum signal for each system shall be established using EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). The signal shall be recorded at least four times per hour. One-hour averages shall be computed from the data points recorded in that hour.

If the detection system alarm activates, the permit holder shall initiate procedures to determine the cause of the alarm within one hour and alleviate the cause of the alarm within three hours, except as provided in the site-specific monitoring plan.

54. The holder of this permit may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging times specified, 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).

55. The holder of this permit shall perform monthly inspections to verify proper operation of the capture systems to verify there are no holes, cracks, and/or other conditions that would reduce the collection efficiency of the emission capture systems as represented. If the results of the inspections indicate that the capture systems are not operating properly, the permit holder shall promptly take necessary corrective actions.

56. The control devices shall not have a bypass.

57. The TCEQ Regional Office shall be notified as soon as possible after the discovery of any monitor malfunction that is expected to result in more than 24 hours of lost data. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director in case of extended monitor downtime. Necessary corrective action shall be taken if the downtime exceeds 5 percent of the operating hours in the quarter. Failure to complete any corrective action as directed by the TCEQ Regional Office may be deemed a violation of the permit.

Sampling Requirements

58. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at their own expense. Sampling ports and platforms shall be incorporated into the design of the stack(s) according to the specifications set forth in the TCEQ *Guidelines for Stack Sampling Facilities* prior to stack sampling. Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Office with jurisdiction.

59. A pretest meeting shall be held with personnel from the TCEQ before the required tests are performed. The TCEQ Regional Office with jurisdiction shall be notified not less than 45 days prior to sampling to schedule a pretest meeting. The notice shall include:

    A. Date for pretest meeting;

    B. Date sampling will occur;

    C. Points or sources to be sampled;

    D. Name of firm conducting sampling;

    E. Type of sampling equipment to be used; and

    F. 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.

60. Alternate sampling methods and representative unit testing may be proposed by the permit holder. A written proposed description of any deviation from sampling procedures or emission sources specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. Such a proposal must be approved by the TCEQ Regional Office with jurisdiction at least two weeks prior to sampling.

61. Requests to waive testing for any pollutant specified shall be submitted, in writing, for approval to the TCEQ Office of Air, Air Permits Division in Austin.

62. During stack sampling emission testing, the facilities shall operate at maximum represented throughput rates. Primary operating parameters that enable determination of throughput rates shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting.

    If the plant is unable to operate at the maximum represented throughput rates during testing, then additional stack testing shall be required when the throughput rate exceeds the previous stack test

throughput rate by +10 percent unless otherwise determined, in writing, by the TCEQ Executive Director.

63. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office with jurisdiction. Additional time to comply with the applicable federal requirements requires EPA approval, and requests shall be submitted to the TCEQ Regional Office with jurisdiction.

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

    One copy to the TCEQ Regional Office with jurisdiction.

    One copy to the TCEQ Office of Air, Air Permits Division in Austin.

    One copy to each appropriate local air pollution control program with jurisdiction.

65. If, as a result of stack sampling, compliance with the permitted emission rates cannot be demonstrated, the holder of this permit shall adjust any operating parameters so as to comply with Special Condition No. 1 and the permitted emission rates.

66. If the holder of this permit is required to adjust any operating parameters for compliance, then beginning no later than 60 days after the date of the test conducted, the holder of this permit shall submit to the TCEQ, on a monthly basis, a record of adjusted operating parameters and daily records of production sufficient to demonstrate compliance with the permitted emission rates. Daily records of production and operating parameters shall be distributed as follows:

    One copy to the TCEQ Regional Office with jurisdiction.

    One copy to the TCEQ Office of Air, Air Permits Division in Austin.

Recordkeeping Requirements

67. Records shall be maintained at this facility site and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction to demonstrate compliance with permit limitations. These records shall be totaled for each calendar month, retained for a rolling 60-month period, and include the following: **(12/22)**

    A. Monthly record of operating hours and molten steel produced (in tons) per monthly period. From this data, average hourly production shall be calculated on a rolling 12-month basis, updated monthly;

    B. Annual steel production (in tons);

    C. Hours of operation of the Emergency Engines;

    D. Daily observations for visible emissions and/or opacity determinations from the Reverse Air Fabric Filter Baghouse Stacks (EPNs BHST-1 and BHST-2);

    E. Quarterly observations for visible emissions and/or opacity determinations from the Lime, Carbon, and Flux Silo Vents (EPNs LCFVF1 – LCFVF6), EAF Baghouse Dust Silo Vent (EPN EAFVF1), Tandem Cold Mill Mist Eliminator Stack (EPN TCMST), Pickling Line Scale

Breaker Baghouse Stack (EPN PLST-1), Pickling Line Mist Eliminator (Scrubber) Stack (EPN PLST-2), CGL-1 Cleaning Section Mist Eliminator Stack (EPN CGLST-1), CGL-2 Cleaning Section Mist Eliminator Stack (EPN WA1), and the recuperative thermal oxidizer (EPN RTO2);

F. Records of pressure in the free space inside the EAFs or daily observations for opacity determinations from the melt shop;

G. Quarterly observations for visible fugitive emissions leaving the property from the melt shop building, rolling mill building, scrap loading/unloading, roads and travel areas;

H. Records of time, date, and duration of any loss of pilot flame for the Vacuum Tank Degasser Flares;

I. Records for the Paint Lines as follows:

(1) Environmental Data Sheet (EDS) or similar documentation (including material safety data sheets) for all paints and solvents used in the coating operations and all solvents used in the cleanup operations. The EDS or similar documentation for materials shall indicate the maximum composition of all volatile constituents (e.g., VOC, exempt solvents, and HAP).

(2) Data shall be recorded as follows:

(a) Daily total gallons of each coating and solvent used;

(b) Daily hours of operation for the coating line; and

(c) As-applied coating VOC content for each paint and solvent used in the coating line.

(3) The data recorded in paragraph F2of this special condition shall be used to produce a monthly summary that reflects:

(a) The VOC emissions in lbs/hr as daily averages;

(b) The VOC emissions in tons per year (tpy) over the previous 12 months; and

(c) Hazardous Air Pollutant (HAP) emissions in tpy over the previous 12 months for each individual HAP and total HAPs.

(4) Records of the manufacturer’s specifications for the coating application equipment employed by the facility;

(5) Records of the combustion chamber temperature for the thermal control device;

(6) Records of the thermal control device temperature sensor accuracy audit and visual inspection (if applicable). Records of temperature sensor replacement;

(7) Records of AVO inspections and a maintenance log for the thermal control device capture system;

(8) Records of the inspections and maintenance performed on the thermal control device; and

(9) Initial test reports and any records of subsequent testing performed kept for at least 60 months.

J. Records for the Cooling Towers as follows:

(1) Monthly records of monitoring, cooling water flow rate, and maintenance activities on the cooling water systems

(2) Rolling 12-month cooling water emission rates recorded on a monthly basis;

(3) Records of sampling for TDS and/or conductivity to demonstrate compliance with Special Condition Nos. 40 and 41;

(4) Instrument calibrations, test results, and process measurements used for the emission calculations; and

(5) Calculated emission records updated monthly.

K. Records and calculations demonstrating compliance with the Material Usage Flexibility condition for the introduction of any new materials;

L. Records of planned MSS activities;

M. After the CEMS certification, a 30-day rolling average NO_x, CO, and SO_2 emissions from the Reverse Air Fabric Filter Baghouse Stacks (EPNs BHST-1 and BHST-2) and a 30-day rolling average NO_x emissions from the Hot Mill Tunnel Furnace Stacks (EPNs TFST-1 and TFST-2) shall be calculated on a lb/hr basis. A new 30-day rolling average shall be calculated at the end of each day;

N. After the CEMS certification, the holder of this permit shall records of NO_x, CO, and SO_2 CEMS measurements from the Reverse Air Fabric Filter Baghouse Stacks (EPNs BHST-1 and BHST-2) and the Hot Mill Tunnel Furnace Stacks (EPNs TFST-1 and TFST-2), including CEMS performance testing measurements, all CEMS calibration checks and adjustments, and maintenance performed on these systems. This data shall be maintained in either hard copy or electronically so long as it is suitable for inspection;

O. All malfunctions, repairs, and maintenance of abatement systems required by this permit, which includes bag replacement and the manufacturer's suggested cleaning and maintenance schedule;

P. Records of required baghouse pressure drop readings;

Q. Records of bag leak detection readings, alarm activations, and actions taken to alleviate alarms; and

R. Records of materials (that have the potential to emit Hazardous Air Pollutants [HAPs]) used shall be kept in sufficient detail in order to allow all required emission rates to be fully and accurately calculated. Using this recorded data, a report shall be produced for the HAPs (in tons per year) over the previous 12 consecutive months. The required records shall be kept with examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.

68. The following records shall be maintained at this facility site and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction. These records shall be retained for a rolling 60-month period:

A. All monitoring data and support information as specified in 30 TAC § 122.144; and

B. Inspections of capture systems and abatement devices required by this permit shall be recorded as they occur.

Greenhouse Gases Special Conditions

69. Site-wide emissions of carbon dioxide equivalent (CO_2e) shall not exceed 775,677 tons per year on a 12-month rolling average.

70. Initial determination of compliance as specified in Special Condition No. 45 shall also include sampling for CO_2.

    Provided it is conducted within the time frames and conforms with the notification requirements of this Special Condition and Special Condition No. 45, the CO_2 CEMs may satisfy the initial performance test, in accordance with 40 CFR §98.34(c)(1), conforming with the Performance Specification 3 in appendix B to Part 60 for CO_2 concentration monitors and Performance Specification 5 in appendix B to Part 60 for the continuous rate monitoring system.

71. The permittee shall install, calibrate, maintain, and operate a CO_2 CEMS or other appropriate monitoring methodology and/or equipment to measure and record the CO_2 concentration from the Reverse Air Fabric Filter Baghouse Stacks (EPNs BHST-1 and BHST-2), in accordance with the CO_2 CEMS system requirements in 40 CFR 98.83(a).

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

    B. The holder of this permit shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1, or an acceptable alternative. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3, and any CEMS downtime and all cylinder gas audit exceedances of ±15 percent accuracy shall be reported semiannually to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

    C. The monitoring data shall be reduced to hourly average values at least once every day, using a minimum of four equally-spaced data points from each one-hour period. At least two valid data points shall be generated during the hourly period in which zero and span is performed.

    D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or a designated representative upon request. The hourly average data from the CEMS shall be used to determine compliance with the conditions of this permit. CEMS data shall also be used to produce TPY each month and used to determine compliance with the annual tonnage emission limits of this permit.

    E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATAs in order to provide them the opportunity to observe the testing.

72. An energy efficiency plan shall be implemented for all other sources of greenhouse gas emissions not listed in Special Condition No. 70. The energy efficiency plan shall use a combination of the energy efficiency measures included in the permit file.

Greenhouse Gases Recordkeeping Requirements

73. Permit holders must keep records sufficient to demonstrate compliance with 30 TAC 116.164. Records shall be sufficient to demonstrate the amount of emissions of GHGs from the source as a result of construction; a physical change or a change in method of operation does not require authorization under 30 TAC 116.164(a). Records shall be maintained for a period of five years after collection.

74. The holder of this permit shall maintain the following records at the plant site in a form suitable for inspection for a period of five years after collection, and the records shall be made available upon request to representatives of the TCEQ, EPA, or any air pollution control agency with jurisdiction.

    A. For each CO_2 continuous emissions monitor, records of the nature and cause of any malfunction (if known), the corrective action taken, or preventive measures adopted shall be kept;

    B. Total monthly CO_2 and CO_2e emissions are to be calculated and recorded monthly as follows:

        (1) Sum total monthly CO_2 emissions from CEMS data.

        (2) Calculate total nitrous oxide (N_2O) and methane (CH_4) monthly emissions using heat input and worst-case emission factors from Table C-2 of 40 CFR Part 98, Subpart C.

        (3) Convert CO_2, N_2O and CH_4 monthly emissions to CO_2e emissions using Equation A-1 of 40 CFR Part 98, Subpart A.

        The monthly data from this special condition shall be used to calculate rolling 12-month total emission rates of CO_2 and CO_2e to demonstrate compliance with emissions limits in the MAERT; and

    C. Records of the energy efficiency plans implemented.

Date: December 27, 2022

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 156458 and PSDTX1562

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 (6)	
			lbs/hour	TPY (4)
BHST-1	Reverse Air Fabric Filter Baghouse 1 Stack (EAF1/LMS1)	PM	48.85	213.94
		PM_{10}	48.85	213.94
		$PM_{2.5}$	48.85	213.94
		NO_x	68.90	301.78
		CO	399.80	1,751.12
		SO_2	47.20	206.74
		VOC	18.37	80.48
		Pb	0.11	0.49
		Be	5.54E-05	2.43E-04
		Cd	9.90E-04	4.34E-03
		Cr	6.93E-04	3.04E-03
		Hg	2.18E-02	0.10
		Mn	0.06	0.26
		Ni	1.09E-03	4.77E-03
		F	1.98	8.67
BHST-2	Reverse Air Fabric Filter Baghouse 2 Stack (EAF2/LMS2)	PM	48.85	213.94
		PM_{10}	48.85	213.94
		$PM_{2.5}$	48.85	213.94
		NO_x	68.90	301.78
		CO	399.80	1,751.12
		SO_2	47.20	206.74
		VOC	18.37	80.48
		Pb	0.11	0.49
		Be	5.54E-05	2.43E-04
		Cd	9.90E-04	4.34E-03

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		Cr	6.93E-04	3.04E-03
		Hg	2.18E-02	0.10
		Mn	0.06	0.26
		Ni	1.09E-03	4.77E-03
		F	1.98	8.67
MSFUG	Melt Shop Fugitives (EAFs, LMSs, Ladle Dryer, Horizontal Ladle Preheaters 1-5, Vertical Ladle Preheaters 6-7, Tundish Dryer, Tundish Preheaters 1-2, Dolomite Lime inside Silo, Hi-Cal Lime Inside and Carbon Inside Silo #1 and #2) (5)	PM	0.35	1.54
		PM_{10}	0.26	1.13
		$PM_{2.5}$	0.26	1.13
		NO_x	16.60	72.71
		CO	20.26	88.73
		SO_2	1.68	7.38
		VOC	1.23	5.38
		Pb	2.24E-03	9.81E-03
		Be	1.12E-06	4.91E-06
		Cd	2.00E-05	8.76E-05
		Cr	1.40E-05	6.13E-05
		Hg	4.40E-04	1.93E-03
		Mn	1.20E-03	5.26E-03
		Ni	2.20E-05	9.64E-05
		F	0.04	0.18
CASTFUG	Casting Fugitives (5)	PM	0.24	1.05
		PM_{10}	0.24	1.05
		$PM_{2.5}$	0.24	1.05
LCFVF1	Lime, Carbon, and Flux Silo 1 Vent	PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.07	0.30
LCFVF2		PM	0.07	0.30

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Lime, Carbon, and Flux Silo 2 Vent	PM_{10}	0.07	0.30
		$PM_{2.5}$	0.07	0.30
LCFVF3	Lime, Carbon, and Flux Silo 3 Vent	PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.07	0.30
LCFVF4	Lime, Carbon, and Flux Silo 4 Vent	PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.07	0.30
LCFVF5	Lime, Carbon, and Flux Silo 5 Vent	PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.04	0.19
LCFVF6	Lime, Carbon, and Flux Silo 6 Vent	PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.04	0.19
EAFVF1	EAF Baghouse 1 Dust Silo Vent	PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.07	0.30
VTD1	Vacuum Tank Degasser Flare 1 Stack	PM	0.07	0.16
		PM_{10}	0.07	0.16
		$PM_{2.5}$	0.07	0.16
		NO_x	0.98	2.15
		CO	5.38	14.93
		SO_2	<0.01	0.02
		VOC	2.02	4.44
VTD2	Vacuum Tank Degasser Flare 2 Stack	PM	0.07	0.16
		PM_{10}	0.07	0.16
		$PM_{2.5}$	0.07	0.16

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		NO_x	0.98	2.15
		CO	5.38	14.93
		SO_2	<0.01	0.02
		VOC	2.02	4.44
TFST-1	Hot Mill Tunnel Furnace 1 Stack	PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
		NO_x	15.00	65.70
		CO	12.35	54.11
		SO_2	0.09	0.39
		VOC	0.81	3.54
TFST-2	Hot Mill Tunnel Furnace 2 Stack	PM	0.08	0.34
		PM_{10}	0.08	0.34
		$PM_{2.5}$	0.08	0.34
		NO_x	15.00	65.70
		CO	12.35	54.11
		SO_2	0.09	0.39
		VOC	0.81	3.54
TCMST	Tandem Cold Mill Mist Eliminator Stack	PM	11.44	50.09
		PM_{10}	11.44	50.09
		$PM_{2.5}$	11.44	50.09
PLST-1	Pickling Line Scale Breaker Baghouse Stack	PM	3.95	17.30
		PM_{10}	3.95	17.30
		$PM_{2.5}$	3.95	17.30
PLST-2	Pickling Line Mist Eliminator (Scrubber) Stack	PM	0.68	2.97
		PM_{10}	0.68	2.97
		$PM_{2.5}$	0.68	2.97

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		HCl	0.37	1.60
CMBLR1	Pickling Line Boiler 1 Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		NO_x	1.00	4.38
		CO	1.68	7.36
		SO_2	0.01	0.05
		VOC	0.11	0.48
CMBLR2	Pickling Line Boiler 2 Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		NO_x	1.00	4.38
		CO	1.68	7.36
		SO_2	0.01	0.05
		VOC	0.11	0.48
CMBLR3	Pickling Line Boiler 3 Stack	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		NO_x	1.00	4.38
		CO	1.68	7.36
		SO_2	0.01	0.05
		VOC	0.11	0.48
CGLST-1	CGL-1 Cleaning Section Mist Eliminator Stack	PM	0.16	0.69
		PM_{10}	0.16	0.69
		$PM_{2.5}$	0.16	0.69
WA1	CGL2 - Cleaning Section Stack	PM	0.13	0.58
		PM_{10}	0.13	0.58

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	0.13	0.58
GALVFUG	Galvanizing Fugitives (Annealing Furnaces, Launder Heater and Skin Pass Mill Mist Eliminator) (5)	PM	0.31	1.37
		PM_{10}	0.31	1.37
		$PM_{2.5}$	0.31	1.37
		NO_x	6.43	28.16
		CO	5.30	23.19
		SO_2	0.04	0.17
		VOC	0.35	1.52
CGLST-2	Galvanizing Line Heater Stack (Hot Band and Cold Roll)	PM	0.05	0.22
		PM_{10}	0.05	0.22
		$PM_{2.5}$	0.05	0.22
		NO_x	8.00	35.04
		CO	8.24	36.07
		SO_2	0.06	0.26
		VOC	0.54	2.36
WA2	CGL2 - Furnace Section (Annealing) Stack	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
		NO_x	3.02	13.25
		CO	0.63	2.76
		SO_2	0.02	0.11
		VOC	0.23	0.99
RTO	Recuperative Thermal Oxidizer Stack (Recuperative Thermal Oxidizer, Primer Curing Oven, and Paint Line)	PM	0.05	0.18
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.04	0.19
		NO_x	8.24	36.07
		CO	6.91	30.30

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		SO_2	0.05	0.22
		VOC	45.33	199.07
RTO2	Recuperative Thermal Oxidizer 2 Stack – Combustion Emissions	PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		NO_x	2.94	12.88
		CO	4.94	21.64
		SO_2	0.04	0.15
		VOC	0.65	2.83
	Recuperative Thermal Oxidizer 2 Stack – Primer Oven and Paint Line 2	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
		NO_x	0.98	4.29
		CO	1.65	7.21
		SO_2	0.01	0.05
		VOC	44.76	196.04
CT1	Meltshop Non-Contact Cooling Tower	PM	1.16	5.07
		PM_{10}	0.28	1.21
		$PM_{2.5}$	<0.01	<0.01
CT3	815 EAF 2 NCCW Cooling Tower	PM	1.16	5.07
		PM_{10}	0.28	1.21
		$PM_{2.5}$	<0.01	<0.01
CT4	Cast Non-Contact Cooling Tower	PM	0.21	0.92
		PM_{10}	0.05	0.22
		$PM_{2.5}$	<0.01	<0.01
CT5	Caster Spray Cooling Tower	PM	0.18	0.79
		PM_{10}	0.04	0.19

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	<0.01	<0.01
CT6	Rolling Mill Non-Contact Cooling Tower	PM	0.90	3.95
		PM_{10}	0.21	0.94
		$PM_{2.5}$	<0.01	<0.01
CT7	RM Non-Contact Cooling Tower	PM	0.21	0.92
		PM_{10}	0.05	0.22
		$PM_{2.5}$	<0.01	<0.01
CT8	Laminar Cooling Tower	PM	0.84	3.69
		PM_{10}	0.20	0.88
		$PM_{2.5}$	<0.01	<0.01
CT9	Cold Mill Galvanizing Cooling Tower	PM	0.39	1.71
		PM_{10}	0.09	0.41
		$PM_{2.5}$	<0.01	<0.01
EMGEN1	Emergency Generator 1	PM	0.18	<0.01
		PM_{10}	0.18	<0.01
		$PM_{2.5}$	0.18	<0.01
		NO_x	24.72	1.24
		CO	15.43	0.77
		SO_2	0.03	<0.01
		VOC	3.50	0.18
EMGEN2	Emergency Generator 2	PM	0.22	0.01
		PM_{10}	0.22	0.01
		$PM_{2.5}$	0.22	0.01
		NO_x	30.90	1.55
		CO	19.29	0.96
		SO_2	0.04	<0.01
		VOC	4.37	0.22

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
EMGEN3	Emergency Generator 3	PM	0.18	<0.01
		PM_{10}	0.18	<0.01
		$PM_{2.5}$	0.18	<0.01
		NO_x	24.72	1.24
		CO	15.43	0.77
		SO_2	0.03	<0.01
		VOC	3.50	0.18
EMGEN4	Emergency Generator 4	PM	0.18	<0.01
		PM_{10}	0.18	<0.01
		$PM_{2.5}$	0.18	<0.01
		NO_x	24.72	1.24
		CO	15.43	0.77
		SO_2	0.03	<0.01
		VOC	3.50	0.18
EMGEN5	Emergency Generator 5	PM	0.22	0.01
		PM_{10}	0.22	0.01
		$PM_{2.5}$	0.22	0.01
		NO_x	30.90	1.55
		CO	19.29	0.96
		SO_2	0.04	<0.01
		VOC	4.37	0.22
BULK1	60" Belt Truss Conveyor	PM	0.34	1.49
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.02	0.11
BULK2	42" Belt Truss Conveyor	PM	0.51	2.24
		PM_{10}	0.24	1.06
		$PM_{2.5}$	0.04	0.16

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
BULK3	42" Belt Truss Conveyor	PM	0.26	1.12
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.02	0.08
BULK4	42" Belt Truss Conveyor	PM	0.26	1.12
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.02	0.08
BULK5	36" Belt Truss Conveyor	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK6	36" Belt Truss Conveyor	PM	0.26	1.12
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.02	0.08
BULK7	42" Belt Truss Conveyor	PM	0.34	1.49
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.02	0.11
BULK8	36" Belt Channel Transfer Conveyor	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK9	36" Belt Truss Radial Stacker with Driven Undercarriage	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK10	36" Belt Channel Transfer Conveyor	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK11	36" Belt Truss Radial Stacker with Driven Undercarriage	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
BULK12	36" Belt Channel Transfer Conveyor	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK13	36" Belt Truss Radial Stacker with Driven Undercarriage	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK14	36" Belt Truss Stationary Stacker	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK15	36" Belt Truss Stationary Stacker	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK16	36" Belt Channel Transfer Conveyor	PM	0.09	0.37
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.01	0.03
BULK17	Feed Hopper with Grizzly Top	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK18	Tabor 50"x10' Pan Feeder with Grizzly Fingers	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05
BULK19	Overband Manger	PM	0.02	0.09
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.00	0.01
BULK20	Head Drum Magnet	PM	0.17	0.75
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.01	0.05

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
BULK21	Head Drum Magnet	PM	0.26	1.12
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.02	0.08
BULK22	Tabor 6'x20' Double Deck Screen	PM	0.20	0.87
		PM_{10}	0.07	0.29
		$PM_{2.5}$	0.01	0.04
BULK23	Syntron Feeder with 10'x10' Storage Hopper Above	PM	0.13	0.56
		PM_{10}	0.06	0.26
		$PM_{2.5}$	0.01	0.04
BULK24	MxLanahan 3254 Jaw w/ Hydraulic Release	PM	0.05	0.24
		PM_{10}	0.02	0.11
		$PM_{2.5}$	0.00	0.02
BULK25	Tabor 62"x12" Pan Feeder	PM	0.13	0.56
		PM_{10}	0.06	0.26
		$PM_{2.5}$	0.01	0.04
BULK26	Dings 30"x72" Deep Draw Drum Magnet	PM	0.13	0.56
		PM_{10}	0.06	0.26
		$PM_{2.5}$	0.01	0.04
BULK27	Taboe 6'x16' Double Dexck Screen	PM	0.13	0.58
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.03
SLGSKP1	Slag Stockpile 1	PM	0.79	3.44
		PM_{10}	0.37	1.63
		$PM_{2.5}$	0.06	0.25
SLGSKP2	Slag Stockpile 2	PM	0.14	0.63
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.01	0.05

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
SLGSKP3	Slag Stockpile 3	PM	0.00	0.01
		PM_{10}	0.00	0.00
		$PM_{2.5}$	0.00	0.00
SCRPSKP1	Scrap Metal Stockpile 1	PM	1.51	6.63
		PM_{10}	0.72	3.13
		$PM_{2.5}$	0.11	0.47
SCRPSKP2	Scrap Metal Stockpile 2	PM	1.51	6.63
		PM_{10}	0.72	3.13
		$PM_{2.5}$	0.11	0.47
SCRPSKP3	Scrap Metal Stockpile 3	PM	1.51	6.63
		PM_{10}	0.72	3.13
		$PM_{2.5}$	0.11	0.47
SCRPSKP4	Scrap Metal Stockpile 4	PM	1.51	6.63
		PM_{10}	0.72	3.13
		$PM_{2.5}$	0.11	0.47
T1	Diesel Tank	VOC	0.03	<0.01
T7	Gasoline Tank	VOC	10.69	0.70
	Site-wide	Individual HAPs	-	<10
		Total HAPs	-	<25

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Pb - lead
Be - beryllium
Cd - cadmium
Cr - chromium
Hg - mercury
Mn - manganese

Emission Sources - Maximum Allowable Emission Rates

Ni - nickel
F - fluoride
HCl - hydrochloric 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

(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) Planned startup and shutdown emissions are included. Maintenance activities, except as specified in Special Condition Nos. 43 and 44, are not authorized by this permit and will need separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119.

Date: February 13, 2026

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX194

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
BHST-1	Reverse Air Fabric Filter Baghouse 1 Stack (EAF1/LMS1)	CO_2 (5)	177,266
		CH_4 (5)	0.29
		N_2O (5)	0.03
		CO_2e	177,281
BHST-2	Reverse Air Fabric Filter Baghouse 2 Stack (EAF2/LMS2)	CO_2 (5)	177,266
		CH_4 (5)	0.29
		N_2O (5)	0.03
		CO_2e	177,281
MSFUG	Melt Shop Fugitives (EAFs, LMSs, Ladle Dryer, Horizontal Ladle Preheaters 1-5, Vertical Ladle Preheaters 6-7, Tundish Dryer, and Tundish Preheaters 1-2)	CO_2 (5)	77,361
		CH_4 (5)	1.40
		N_2O (5)	0.14
		CO_2e	77,438
VTD1	Vacuum Tank Degasser Flare 1 Stack	CO_2 (5)	4,857
		CH_4 (5)	0.07
		N_2O (5)	6.99E-03
		CO_2e	4,860
VTD2	Vacuum Tank Degasser Flare 2 Stack	CO_2 (5)	4,857
		CH_4 (5)	0.07
		N_2O (5)	6.99E-03
		CO_2e	4,860
TFST-1	Hot Mill Tunnel Furnace 1 Stack	CO_2 (5)	76,854
		CH_4 (5)	1.45
		N_2O (5)	0.14
		CO_2e	76,933
TFST-2	Hot Mill Tunnel Furnace 2 Stack	CO_2 (5)	76,854
		CH_4 (5)	1.45
		N_2O (5)	0.14

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
		CO_2e	76,933
CMBLR1	Pickling Line Boiler 1 Stack	CO_2 (5)	10,452
		CH_4 (5)	0.20
		N_2O (5)	0.02
		CO_2e	10,463
CMBLR2	Pickling Line Boiler 2 Stack	CO_2 (5)	10,452
		CH_4 (5)	0.20
		N_2O (5)	0.02
		CO_2e	10,463
CMBLR3	Pickling Line Boiler 3 Stack	CO_2 (5)	10,452
		CH_4 (5)	0.20
		N_2O (5)	0.02
		CO_2e	10,463
GALVFUG	Galvanizing Fugitives (Annealing Furnaces, Radiant Tube Furnaces, and Launder Heater)	CO_2 (5)	32,945
		CH_4 (5)	0.62
		N_2O (5)	0.06
		CO_2e	32,979
CGLST-2	Galvanizing Line Heater Stack (Hot Band and Cold Roll)	CO_2 (5)	49,033
		CH_4 (5)	0.92
		N_2O (5)	0.09
		CO_2e	49,084
RTO	Recuperative Thermal Oxidizer Stack (Recuperative Thermal Oxidizer, Finishing Oven, and Curing Oven)	CO_2 (5)	43,038
		CH_4 (5)	0.81
		N_2O (5)	0.08
		CO_2e	43,083
EMGEN1	Emergency Generator 1	CO_2 (5)	153
		CH_4 (5)	6.30E-03
		N_2O (5)	1.30E-03
		CO_2e	154
EMGEN2	Emergency Generator 2	CO_2 (5)	191

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
		CH_4 (5)	7.80E-03
		N_2O (5)	1.60E-03
		CO_2e	192
EMGEN3	Emergency Generator 3	CO_2 (5)	153
		CH_4 (5)	0.0063
		N_2O (5)	0.0013
		CO_2e	154
EMGEN4	Emergency Generator 4	CO_2 (5)	153
		CH_4 (5)	6.30E-03
		N_2O (5)	1.30E-03
		CO_2e	154
EMGEN5	Emergency Generator 5	CO_2 (5)	191
		CH_4 (5)	7.80E-03
		N_2O (5)	1.60E-03
		CO_2e	192

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) CO_2 - carbon dioxide
N_2O - nitrous oxide
CH_4 - methane
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015): CO_2 (1), N_2O (298), and CH_4 (25)
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: December 27, 2022