

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Chaparral Steel Midlothian, LP

AUTHORIZING THE OPERATION OF  
Chaparral Steel Midlothian Plant  
Iron and Steel Mills and Ferroalloy Manufacturing  
LOCATED AT  
Ellis County, Texas  
Latitude 32° 27' 25" Longitude 97° 2' 8"  
Regulated Entity Number: RN100216472

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: Q2110 Issuance Date: November 27, 2019

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For the Commission

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## **General Terms and Conditions**

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

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

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

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

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

## **Special Terms and Conditions:**

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

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ and YYYYY as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113,

Subchapter C, § 113.1090 and § 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. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
    - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

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

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

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

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

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

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

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

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer

visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

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

- A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities 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 vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
- (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
  - (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)
  - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
  - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)
5. The permit holder shall comply with the following requirements 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)
6. 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.
7. 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) and (a)(1), relating to the requirement to prepare and implement a pollution prevention plan
  - B. Title 40 CFR § 63.10685(a) and (a)(2), relating to the control of contaminants (HAPs) from restricted metallic scrap charged to the electric arc furnace
  - C. Title 40 CFR § 63.10685(a)(1), (c), and (c)(3), relating to recordkeeping and reporting requirements
  - D. Title 40 CFR § 63.10690(a), (b), (b)(1), and (b)(2), relating to general provisions
8. 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
9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCC, 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**

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

- A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
  - B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
  - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "CAM Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
  - D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.
  - E. The permit holder shall comply with either of the following requirements for any 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.
  - F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
11. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

## **New Source Review Authorization Requirements**

12. 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 January 24, 2022 in the application for project 33227), 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
13. 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.
14. 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).
15. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
  - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
  - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
  - C. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

## **Compliance Requirements**

16. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
17. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Dallas-Fort Worth Eight-Hour Nonattainment area, 30 TAC § 117.9030
  - B. The permit holder shall comply with the Initial Control Plan unit identification requirements in 30 TAC § 117.450(a) and (a)(1)-(7).
  - C. The permit holder shall comply with the requirements of 30 TAC § 117.452 for Final Control Plan Procedures for Reasonably Available Control Technology (RACT) and 30 TAC § 117.456 for Revision of Final Control Plan.
  - D. The permit holder shall comply with the requirements of 30 TAC § 117.454 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.456 for Revision of Final Control Plan.
  - E. The permit holder shall comply with the requirement in 30 TAC § 117.450(b) for identification of exempt units in the Initial Control Plan.
18. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
19. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

- (i) Title 30 TAC Chapter 115
  - (ii) Title 30 TAC Chapter 117
  - (iii) If applicable, offsets for Title 30 TAC Chapter 116
  - (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
- (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
  - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

#### **Protection of Stratospheric Ozone**

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

#### **Permit Location**

21. 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)**

22. 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**

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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
01	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
01	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
01-EAF	STEEL PLANT UNIT	N/A	63YYYYY-BHA	40 CFR Part 63, Subpart YYYYY	Control device IDs = 01, 54, and 55.
01-EAF	STEEL PLANT UNIT	N/A	63YYYYY-BHB-C- 1	40 CFR Part 63, Subpart YYYYY	Control device IDs = 06 and 07.
01-EAF	STEEL PLANT UNIT	N/A	63YYYYY-BHB-C- 2	40 CFR Part 63, Subpart YYYYY	Control device IDs = 06 and 07.
02A-FURN	PROCESS HEATERS/FURNACES	N/A	K7410-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
04-EAF	STEEL PLANT UNIT	N/A	60AA-BHA	40 CFR Part 60, Subpart AA	Multiple Control Devices = Emissions from the electric arc furnace are fed to more than one control device., Opacity = Opacity is determined by a certified visible emissions observer., Filter Type = Modular, multiple stack, negative- pressure or positive-pressure fabric filter.
04-EAF	STEEL PLANT UNIT	N/A	60AA-BHB-C-1	40 CFR Part 60, Subpart AA	Multiple Control Devices = Emissions from the electric arc furnace are not fed to more than one control device., Opacity = Opacity is not determined by a certified visible emissions observer., Filter Type = Single stack fabric filter.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
04-EAF	STEEL PLANT UNIT	N/A	60AA-BHB-C-2	40 CFR Part 60, Subpart AA	Multiple Control Devices = Emissions from the electric arc furnace are not fed to more than one control device., Opacity = Opacity is determined by a certified visible emissions observer., Filter Type = Single stack fabric filter.
04-EAF	STEEL PLANT UNIT	N/A	60AA-BHD-E	40 CFR Part 60, Subpart AA	Multiple Control Devices = Emissions from the electric arc furnace are fed to more than one control device., Opacity = Opacity is determined by a certified visible emissions observer., Filter Type = Modular, multiple stack, negative-pressure or positive-pressure fabric filter.
04-EAF	STEEL PLANT UNIT	N/A	63YYYYY-BH-A	40 CFR Part 63, Subpart YYYYYY	Control device IDs = 01, 54 and 55.
04-EAF	STEEL PLANT UNIT	N/A	63YYYYY-BHB-C-2	40 CFR Part 63, Subpart YYYYYY	Control device IDs = 06 and 07.
04-EAF	STEEL PLANT UNIT	N/A	63YYYYYBHB-C-1	40 CFR Part 63, Subpart YYYYYY	Control device IDs = 06 and 07.
05A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
05A-FURN	PROCESS HEATERS/FURNACES	N/A	K7410-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
06	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
06	EMISSION	N/A	R1111-1	30 TAC Chapter 111, Visible	Opacity Monitoring System = A

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Emissions	continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C).
06	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).
07	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
07	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	Opacity Monitoring System = A continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C).
07	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).
09	EMISSION POINTS/STATIONARY	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	VENTS/PROCESS VENTS				
09-FURN	PROCESS HEATERS/FURNACES	N/A	K7410-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
13	STEEL PLANT UNIT	N/A	60AA	40 CFR Part 60, Subpart AA	No changing attributes.
54	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
55	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPPETTKB	STORAGE TANKS/VESSELS	BM-1, BM-5, H-1, LSM-1, LSM-10, LSM-3, LSM-6, LSM-7, LSM-8, LSM-9, MELT-2, MSM-1, RCD-2, RY- 1, SB-1, SB-10, SB- 4, SB-5, SB-7, SB-8, SB-9, SHDR-3, STR-1	R115B-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPPETTKC	STORAGE TANKS/VESSELS	LSM-2, MELT-1	R115B-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
MELTSHOP	STEEL PLANT UNIT	N/A	60AA-BH-ABDE	40 CFR Part 60, Subpart AA	No changing attributes.
MELTSHOP	STEEL PLANT UNIT	N/A	63YYYYY-BH- ABDE	40 CFR Part 63, Subpart YYYYY	No changing attributes.
PW-CS	SOLVENT DEGREASING MACHINES	N/A	R5412	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
SRIC01	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
SRIC01	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC02	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC02	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC03	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC03	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC04	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC04	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC05	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC05	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC06	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC06	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC07	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC07	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC08	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
SRIC08	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC09	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC09	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
SRIC09	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC10	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC10	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC11	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC11	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
SRIC11	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC12	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC12	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRIC13	SRIC ENGINES	N/A	30TAC117 B 4	30 TAC Chapter 117, Subchapter B	No changing attributes.
SRIC13	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
VOCLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
VOCUNLD	LOADING/UNLOADING OPERATIONS	N/A	R5211	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
01	EP	R1151	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 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
01	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
01-EAF	EU	63YYYYY-BHA	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)(2) § 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)
01-EAF	EU	63YYYYY-BHA	PM (Opacity)	40 CFR Part 63, Subpart YYYYY	§ 63.10686(b)(2) § 63.10686(b)	Except as provided in paragraph (c) of this	[G]§ 60.274a(h) § 60.275a(c)	§ 63.10686(d)(3) § 63.10690(a)	§ 63.10686(d)(4) § 63.10690(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)
					§ 63.10690(a)	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(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(b)
01-EAF	EU	63YYYYY-BHB-C-1	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)(2) § 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)
01-EAF	EU	63YYYYY-BHB-C-1	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	[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)(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)
						operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.	§ 63.10686(d)(3) § 63.10690(a) ** See CAM Summary		
01-EAF	EU	63YYYYY-BHB-C-2	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)(2) § 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)
01-EAF	EU	63YYYYY-BHB-C-2	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)
02A-FURN	EU	K7410-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.410(c)(1) § 117.410(c)(1)(A) § 117.440(j)	No person shall allow the discharge into the atmosphere from any unit	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b)	§ 117.445(a) § 117.445(f) § 117.445(f)(1)	§ 117.435(f) § 117.445(b) [G]§ 117.445(c)

### 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)
						carbon monoxide (CO) emissions that exceed 400 ppmv at 3.0% oxygen, dry basis.	§ 117.435(c) § 117.435(e) § 117.435(e)(3) § 117.440(a) § 117.440(e) § 117.440(f) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	[G]§ 117.445(f)(2) § 117.445(f)(6) § 117.445(f)(7) § 117.445(f)(8) § 117.8100(a)(5)(C)	[G]§ 117.445(d) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
02A-FURN	EU	K7410-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.410(a)(8)(B) § 117.410(a) [G]§ 117.410(b)(1) [G]§ 117.410(e)(1) § 117.410(e)(2) [G]§ 117.410(e)(3) § 117.410(e)(4) § 117.430(b) § 117.440(j)	No person shall allow the discharge from reheat furnaces, NO <sub>x</sub> emissions in excess of 0.10 lb/MMBtu. For reheat furnaces equipped with NO <sub>x</sub> CEMS or PEMS that comply with §117.440 of this title, this emission specification only	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(c) § 117.440(a) § 117.440(c)(1) [G]§ 117.440(c)(3) § 117.440(f) § 117.440(k)(1)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) [G]§ 117.445(f)(2) § 117.445(f)(7) § 117.445(f)(8) § 117.8100(a)(5)(C)	§ 117.435(f) § 117.445(b) [G]§ 117.445(c) [G]§ 117.445(d) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(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)
						applies from March 1 to October 31 of any calendar year.	§ 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		§ 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
04-EAF	EU	60AA-BHA	PM	40 CFR Part 60, Subpart AA	§ 60.272(a)(1) § 60.272(a)	Exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf).	§ 60.274(h) § 60.275(a) § 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(1) § 60.275(e)(2) § 60.275(e)(4) § 60.275(g)(1) § 60.275(j) [G]§ 60.276(c) ** See CAM Summary	None	[G]§ 60.276(c)
04-EAF	EU	60AA-BHA	PM (Opacity)	40 CFR Part 60, Subpart AA	§ 60.272(a)(2) § 60.272(a)	Exit from a control device and exhibit 3% opacity or greater.	§ 60.273(c) § 60.274(h) § 60.275(a)	§ 60.273(c) § 60.275(i)	[G]§ 60.276(c)

### 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)
							§ 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(3) § 60.275(e)(4) § 60.275(g) § 60.275(g)(1) § 60.275(i) § 60.275(j) [G]§ 60.276(c) ** See CAM Summary		
04-EAF	EU	60AA-BHB-C-1	PM	40 CFR Part 60, Subpart AA	§ 60.272(a)(1) § 60.272(a)	Exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf).	§ 60.274(h) § 60.275(a) § 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(1) § 60.275(e)(4) § 60.275(g)(1) § 60.275(j) [G]§ 60.276(c) ** See CAM Summary	None	[G]§ 60.276(c)
04-EAF	EU	60AA-BHB-C-1	PM (Opacity)	40 CFR Part 60, Subpart AA	§ 60.272(a)(2) § 60.272(a)	Exit from a control device and exhibit 3% opacity or greater.	§ 60.273(a) § 60.273(b) § 60.274(h) § 60.275(a) § 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(3) § 60.275(e)(4) § 60.275(g) § 60.275(g)(1)	§ 60.275(i)	§ 60.273(b) [G]§ 60.276(c)

### 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)
							§ 60.275(i) § 60.275(j) [G]§ 60.276(c)		
04-EAF	EU	60AA-BHB-C-2	PM	40 CFR Part 60, Subpart AA	§ 60.272(a)(1) § 60.272(a)	Exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf).	§ 60.274(h) § 60.275(a) § 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(1) § 60.275(e)(4) § 60.275(g)(1) § 60.275(j) [G]§ 60.276(c) ** See CAM Summary	None	[G]§ 60.276(c)
04-EAF	EU	60AA-BHB-C-2	PM (Opacity)	40 CFR Part 60, Subpart AA	§ 60.272(a)(2) § 60.272(a)	Exit from a control device and exhibit 3% opacity or greater.	§ 60.273(c) § 60.273(e) § 60.273(e)(1) § 60.273(e)(2) § 60.273(e)(3) [G]§ 60.273(e)(4) § 60.273(e)(5) [G]§ 60.273(e)(6) § 60.273(e)(7) § 60.273(e)(8) [G]§ 60.273(f) § 60.273(g) § 60.274(h) § 60.275(a) § 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(3) § 60.275(e)(4) § 60.275(g) § 60.275(g)(1)	§ 60.273(c) § 60.273(e)(2) § 60.275(i) § 60.276(e) § 60.276(e)(1) § 60.276(e)(2) § 60.276(e)(3)	[G]§ 60.273(e)(4) [G]§ 60.273(e)(6) [G]§ 60.276(c)

### 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)
							§ 60.275(i) § 60.275(j) [G]§ 60.276(c)		
04-EAF	EU	60AA-BHD-E	PM	40 CFR Part 60, Subpart AA	§ 60.272(a)(1) § 60.272(a)	Exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf).	§ 60.274(h) § 60.275(a) § 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(1) § 60.275(e)(2) § 60.275(e)(4) § 60.275(g)(1) § 60.275(j) [G]§ 60.276(c) ** See CAM Summary	None	[G]§ 60.276(c)
04-EAF	EU	60AA-BHD-E	PM (Opacity)	40 CFR Part 60, Subpart AA	§ 60.272(a)(2) § 60.272(a)	Exit from a control device and exhibit 3% opacity or greater.	§ 60.273(c) § 60.274(h) § 60.275(a) § 60.275(b) § 60.275(b)(1) § 60.275(d) § 60.275(e) § 60.275(e)(3) § 60.275(e)(4) § 60.275(g) § 60.275(g)(1) § 60.275(i) § 60.275(j) [G]§ 60.276(c) ** See CAM Summary	§ 60.273(c) § 60.275(i)	[G]§ 60.276(c)
04-EAF	EU	63YYYYY-BH-A	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)(2) § 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)
04-EAF	EU	63YYYYY-BH-A	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)
04-EAF	EU	63YYYYY-BHB-C-2	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)(2) § 60.275a(e)(4) § 60.275a(h) § 60.275a(h)(1) § 60.275a(j) § 63.10686(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) § 63.10690(b)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 63.10686(d)(1) § 63.10686(d)(3) § 63.10686(e) § 63.10690(a) ** See CAM Summary		
04-EAF	EU	63YYYYY-BHB-C-2	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)
04-EAF	EU	63YYYYY BHB-C-1	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)(2) § 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)
04-EAF	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)
		BHB-C-1	(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)
05A	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
05A-FURN	EU	K7410-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.410(c)(1) § 117.410(c)(1)(A) § 117.440(j)	No person shall allow the discharge into the atmosphere from any unit carbon monoxide (CO) emissions that exceed 400 ppmv at 3.0% oxygen, dry basis.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(c) § 117.435(e) § 117.435(e)(3) § 117.440(a) § 117.440(e) § 117.440(f) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) )	§ 117.445(a) § 117.445(f) § 117.445(f)(1) [G]§ 117.445(f)(2) § 117.445(f)(6) § 117.445(f)(7) § 117.445(f)(8) § 117.8100(a)(5)(C)	§ 117.435(f) § 117.445(b) [G]§ 117.445(c) [G]§ 117.445(d) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		
05A-FURN	EU	K7410-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.410(a)(8)(B) § 117.410(a) [G]§ 117.410(b)(1) [G]§ 117.410(e)(1) § 117.410(e)(2) [G]§ 117.410(e)(3) § 117.410(e)(4) § 117.430(b) § 117.440(j)	No person shall allow the discharge from reheat furnaces, NO <sub>x</sub> emissions in excess of 0.10 lb/MMBtu. For reheat furnaces equipped with NO <sub>x</sub> CEMS or PEMS that comply with §117.440 of this title, this emission specification only applies from March 1 to October 31 of any calendar year.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(c) § 117.440(a) § 117.440(c)(1) [G]§ 117.440(c)(3) § 117.440(f) § 117.440(k)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) [G]§ 117.445(f)(2) § 117.445(f)(7) § 117.445(f)(8) § 117.8100(a)(5)(C)	§ 117.435(f) § 117.445(b) [G]§ 117.445(c) [G]§ 117.445(d) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
06	EP	R1151	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 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 Periodic Monitoring Summary	None	None
06	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	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
06	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
07	EP	R1151	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates	** 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)
						specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).			
07	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	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
07	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
09	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
09-FURN	EU	K7410-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.410(c)(1) § 117.410(c)(1)(A) § 117.440(j)	No person shall allow the discharge into the atmosphere from any unit carbon monoxide (CO) emissions that exceed 400 ppmv at 3.0% oxygen, dry basis.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(c) § 117.435(e) § 117.435(e)(3) § 117.440(a) § 117.440(e)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) [G]§ 117.445(f)(2) § 117.445(f)(6) § 117.445(f)(7) § 117.445(f)(8) § 117.8100(a)(5)(C)	§ 117.435(f) § 117.445(b) [G]§ 117.445(c) [G]§ 117.445(d) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(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)
							§ 117.440(f) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) ) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		§ 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
09-FURN	EU	K7410-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.410(a)(8)(B) § 117.410(a) [G]§ 117.410(b)(1) [G]§ 117.410(e)(1) § 117.410(e)(2) [G]§ 117.410(e)(3) § 117.410(e)(4) § 117.430(b) § 117.440(j)	No person shall allow the discharge from reheat furnaces, NO <sub>x</sub> emissions in excess of 0.10 lb/MMBtu. For reheat furnaces equipped with NO <sub>x</sub> CEMS or PEMS that comply with §117.440 of this title, this emission specification only applies from March 1 to October 31 of any calendar year.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(c) § 117.440(a) § 117.440(c)(1) [G]§ 117.440(c)(3) § 117.440(f) § 117.440(k)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) §	§ 117.445(a) § 117.445(f) § 117.445(f)(1) [G]§ 117.445(f)(2) § 117.445(f)(7) § 117.445(f)(8) § 117.8100(a)(5)(C)	§ 117.435(f) § 117.445(b) [G]§ 117.445(c) [G]§ 117.445(d) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) ) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		§ 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
13	EU	60AA	PM (Opacity)	40 CFR Part 60, Subpart AA	§ 60.272(b)	On and after the date of the performance test required by §60.8 is completed, a dust handling system shall not cause to be discharged into the atmosphere any gases with 10 % opacity or greater.	§ 60.275(d) § 60.275(e) § 60.275(e)(3)	None	None
54	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
55	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least	[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)
						100,000 acfm unless a CEMS is installed.			
GRPPETTK B	EU	R115B-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPPETTK C	EU	R115B-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
MELTSHP	EU	60AA-BH-ABDE	PM (Opacity)	40 CFR Part 60, Subpart AA	[G]§ 60.272(a)(3) § 60.272(a)	No owner or operators shall cause to be discharged from a shop and, due solely to operations of any EAF(s), exhibit 6 percent opacity or greater except as listed in §60.272(a)(3)(i)-(iv).	§ 60.274(c) § 60.274(h) [G]§ 60.275(c) § 60.275(d) § 60.275(e) § 60.275(e)(3) § 60.275(e)(4) § 60.275(f) [G]§ 60.275(h) § 60.275(j) [G]§ 60.276(c)	§ 60.276(d)	§ 60.276(a) [G]§ 60.276(c) § 60.276(d)
MELTSHP	EU	63YYYYY-BH-ABDE	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	[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)	§ 63.10686(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)
						EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.	§ 63.10690(a)		
PW-CS	EU	R5412	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) § 115.411(2) [G]§ 115.412(1)(A) § 115.412(1)(C) [G]§ 115.412(1)(F)	No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F), except as exempted in §115.411.	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	§ 115.416 § 115.416(4) § 115.416(4)(A) § 115.416(4)(B)	None
SRIC01	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC01	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6640(f)(4)(i)				
SRIC02	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC02	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
SRIC03	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	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)
						operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)			
SRIC03	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
SRIC04	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC04	EU	63ZZZZ	112(B)	40 CFR Part 63,	§ 63.6603(a)-	For each existing	§ 63.6625(f)	§ 63.6625(i)	§ 63.6640(e)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart ZZZZ	Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6650(f)
SRIC05	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC05	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)				
SRIC06	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC06	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
SRIC07	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	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)
						engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)			
SRIC07	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
SRIC08	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	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)
						(B)			
SRIC08	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
SRIC09	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(9) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§ 117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include new, modified, reconstructed or relocated diesel engines placed into service on or after June 1, 2007 that operate less than 100 hr/yr except in emergency situations and that meet the emission standard for non-road engines listed in 40 CFR § 89.112(a), Table 1 in effect at the time of installation, modification, reconstruction or relocation per § 117.403(a)(9)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC09	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum	§ 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(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	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 89.112(a).			
SRIC09	EU	60III	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
SRIC09	EU	60III	PM	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	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	§ 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 PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
SRIC09	EU	60III	PM (Opacity)	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
SRIC09	EU	63ZZZZ	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	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)
						requirements apply for such engines under this part.			
SRIC10	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC10	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
SRIC11	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(9) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§ 117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include new, modified, reconstructed or relocated	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	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)
						diesel engines placed into service on or after June 1, 2007 that operate less than 100 hr/yr except in emergency situations and that meet the emission standard for non-road engines listed in 40 CFR § 89.112(a), Table 1 in effect at the time of installation, modification, reconstruction or relocation per § 117.403(a)(9)(A)-(B)			
SRIC11	EU	60III	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 30 liters per cylinder and is a 2011 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.7 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
SRIC11	EU	60III	PM	40 CFR Part 60, Subpart III	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 30 liters per cylinder and is a 2011 model year and later must comply with a PM emission limit of 0.40	§ 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/KW-hr, as listed in Table 4 to this subpart.			
SRIC11	EU	63ZZZZ	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
SRIC12	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC12	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1)	For each existing emergency stationary CI RICE and black start	§ 63.6625(f) § 63.6625(i) § 63.6640(a)	§ 63.6625(i) § 63.6655(d) § 63.6655(e)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	
SRIC13	EU	30TAC117 B 4	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(f)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
SRIC13	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6640(f)(4)(i)				
VOCLOAD	EU	R5211	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
VOCUNLD	EU	R5211	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

**Additional Monitoring Requirements**

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### CAM Summary

Unit/Group/Process Information	
ID No.: 01	
Control Device ID No.: 01	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: once per day	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BHA
Pollutant: PM	Main Standard: § 63.10686(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: once per day	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BHA
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per day	
Averaging Period: Six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: 01-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYY-BHB-C-1
Pollutant: PM	Main Standard: § 63.10686(b)(1)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: Six times per minute	
Averaging Period: Six minute	
Deviation Limit: Maximum Opacity 3%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYY-BHB-C-1
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Six times per minute	
Averaging Period: Six minute	
Deviation Limit: Maximum Opacity 3%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BHB-C-2
Pollutant: PM	Main Standard: § 63.10686(b)(1)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: 4 times per hour	
Averaging Period: N/A	
Deviation Limit: Failure to initiate procedures to determine the cause of all alarms within 1 hour of the alarm, or failure to alleviate the cause of the alarm within 3 hours of the time the alarm occurred.	
CAM Text: Chaparral Steel will monitor the system for electrical malfunction, including failure of any of the monitors. The manufacturer specifies that a constant reading of zero mA, as opposed to the normal 4 to 20 mA signal, would result in the event of (1) electrical failure due to power loss, (2) probe disconnection from a monitor or (3) catastrophic failure of the electrical components inside a monitor.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BHB-C-2
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: 4 times per hour	
Averaging Period: N/A	
Deviation Limit: Failure to initiate procedures to determine the cause of all alarms within 1 hour of the alarm, or failure to alleviate the cause of the alarm within 3 hours of the time the alarm occurred.	
CAM Text: Chaparral Steel will monitor the system for electrical malfunction, including failure of any of the monitors. The manufacturer specifies that a constant reading of zero mA, as opposed to the normal 4 to 20 mA signal, would result in the event of (1) electrical failure due to power loss, (2) probe disconnection from a monitor or (3) catastrophic failure of the electrical components inside a monitor.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart AA	SOP Index No.: 60AA-BHA
Pollutant: PM	Main Standard: § 60.272(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: once per day	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	



### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart AA	SOP Index No.: 60AA-BHA
Pollutant: PM (Opacity)	Main Standard: § 60.272(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: once per day	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart AA	SOP Index No.: 60AA-BHB-C-1
Pollutant: PM	Main Standard: § 60.272(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart AA	SOP Index No.: 60AA-BHB-C-2
Pollutant: PM	Main Standard: § 60.272(a)(1)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: 4 times per hour	
Averaging Period: N/A	
Deviation Limit: Failure to initiate procedures to determine the cause of all alarms within 1 hour of the alarm, and failure to alleviate the cause of the alarm within 3 hours of the time the alarm occurred.	
CAM Text: Chaparral Steel will monitor the system for electrical malfunction, including failure of any of the monitors. The manufacturer specifies that a constant reading of zero mA, as opposed to the normal 4 to 20 mA signal, would result in the event of (1) electrical failure due to power loss, (2) probe disconnection from a monitor or (3) catastrophic failure of the electrical components inside a monitor.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart AA	SOP Index No.: 60AA-BHD-E
Pollutant: PM	Main Standard: § 60.272(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: once per day	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart AA	SOP Index No.: 60AA-BHD-E
Pollutant: PM (Opacity)	Main Standard: § 60.272(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: once per day	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BH-A
Pollutant: PM	Main Standard: § 63.10686(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: once per day	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 01	Control Device Type: Fabric filter
Control Device ID No.: 54	Control Device Type: Fabric filter
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BH-A
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per day	
Averaging Period: Six-minute	
Deviation Limit: Maximum Opacity 3%	
<p>CAM Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period each day, in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9 and 40 CFR § 64.7(c). If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BHB-C-2
Pollutant: PM	Main Standard: § 63.10686(b)(1)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: 4 times per hour	
Averaging Period: N/A	
Deviation Limit: Failure to initiate procedures to determine the cause of all alarms within 1 hour of the alarm, or failure to alleviate the cause of the alarm within 3 hours of the time the alarm occurred.	
CAM Text: Chaparral Steel will monitor the system for electrical malfunction, including failure of any of the monitors. The manufacturer specifies that a constant reading of zero mA, as opposed to the normal 4 to 20 mA signal, would result in the event of (1) electrical failure due to power loss, (2) probe disconnection from a monitor or (3) catastrophic failure of the electrical components inside a monitor.	



### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYYY	SOP Index No.: 63YYYYYY-BHB-C-2
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Bag Leak Detection Signal	
Minimum Frequency: 4 times per hour	
Averaging Period: N/A	
Deviation Limit: Failure to initiate procedures to determine the cause of all alarms within 1 hour of the alarm, or failure to alleviate the cause of the alarm within 3 hours of the time the alarm occurred.	
CAM Text: Chaparral Steel will monitor the system for electrical malfunction, including failure of any of the monitors. The manufacturer specifies that a constant reading of zero mA, as opposed to the normal 4 to 20 mA signal, would result in the event of (1) electrical failure due to power loss, (2) probe disconnection from a monitor or (3) catastrophic failure of the electrical components inside a monitor.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYYBHB-C-1
Pollutant: PM	Main Standard: § 63.10686(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity 3%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04-EAF	
Control Device ID No.: 06	Control Device Type: Fabric filter
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 63, Subpart YYYYY	SOP Index No.: 63YYYYYBHB-C-1
Pollutant: PM (Opacity)	Main Standard: § 63.10686(b)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Six times per minute	
Averaging Period: Six-minute	
Deviation Limit: Maximum Opacity 3%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 01	
Control Device ID No.: 01	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity 15%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 05A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity 15%	
<p>Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any average opacity, calculated in accordance with 40 CFR Part 60, Appendix A, Test Method 9, which is above the deviation limit shall be reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 06	
Control Device ID No.: 06	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Bag Leak Detection Signal (Analog System)	
Minimum Frequency: four times per hour	
Averaging Period: establish per EPA guidance (EPA-454/R-98-015)	
Deviation Limit: Failure to initiate procedures to determine the cause of all alarms within 1 hour of the alarm, or failure to alleviate the cause of the alarm within 3 hours of the time the alarm occurs.	
Periodic Monitoring Text: Monitor and record the bag leak detection signal. Operate bag leak detector in accordance with EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data above a maximum limit shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 06	
Control Device ID No.: 06	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity 15%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 07	
Control Device ID No.: 06	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Bag Leak Detection Signal (Analog System)	
Minimum Frequency: four times per hour	
Averaging Period: establish per EPA guidance (EPA-454/R-98-015)	
Deviation Limit: Failure to initiate procedures to determine the cause of all alarms within 1 hour of the alarm, or failure to alleviate the cause of the alarm within 3 hours of the time the alarm occurs.	
Periodic Monitoring Text: Monitor and record the bag leak detection signal. Operate bag leak detector in accordance with EPA's, Office of Air Quality Planning and Standards, Fabric Filter Bag Leak Detection Guidance (EPA-454/R-98-015). The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data above a maximum limit shall be considered and reported as a deviation.	



### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 07	
Control Device ID No.: 07	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity 15%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 09	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity 15%	
<p>Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any average opacity, calculated in accordance with 40 CFR Part 60, Appendix A, Test Method 9, which is above the deviation limit shall be reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 54	
Control Device ID No.: 54	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity 15%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 55	
Control Device ID No.: 55	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity 15%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PW-CS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1)(A), (C), (F)	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

**Permit Shield**

**Permit Shield ..... 85**

### 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
01-EAF	N/A	40 CFR Part 60, Subpart AA	No construction, modification, or reconstruction after 10/21/74.
02A-FURN	N/A	30 TAC Chapter 112, Sulfur Compounds	Furnace does not fire liquid fuel
04-EAF	N/A	40 CFR Part 60, Subpart AAa	No construction, modification, or reconstruction after August 17, 1983.
05A-FURN	N/A	30 TAC Chapter 112, Sulfur Compounds	Furnace does not fire liquid fuel
09-FURN	N/A	30 TAC Chapter 112, Sulfur Compounds	Furnace does not fire liquid fuel
13	N/A	40 CFR Part 60, Subpart AAa	No construction, modification, or reconstruction after August 17, 1983.
15A	N/A	40 CFR Part 60, Subpart AA	Dust handling equipment is not located at or near EAF control device.
15B	N/A	40 CFR Part 60, Subpart AA	Dust handling equipment is not located at or near EAF control device.
COMFRTHT	N/A	30 TAC Chapter 117, Subchapter B	Heaters used exclusively for comfort heating.
GASUNLD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Gasoline unloading for motor vehicle fuel dispensing
GRPLGHEAT	10-01, 10-02, 10-03, 10-04, 10-05	30 TAC Chapter 117, Subchapter B	Heater max capacity < 5.0 MMBtu/hr.
GRPSMHEAT	10-06, 10-07, 10-08, 10-09, 10-10, 10-11, 10-12, 10-13, 10-14	30 TAC Chapter 117, Commercial	Heater maximum capacity is less than 5.0 MMBtu/hr.

**New Source Review Authorization References**

<b>New Source Review Authorization References .....</b>	<b>87</b>
<b>New Source Review Authorization References by Emission Unit .....</b>	<b>89</b>



### 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.

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX138M6	Issuance Date: 08/18/2023
<b>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.</b>	
Authorization No.: 1635	Issuance Date: 10/27/2023
Authorization No.: 3026	Issuance Date: 07/18/2023
Authorization No.: 5983	Issuance Date: 09/16/2014
Authorization No.: 8097	Issuance Date: 08/18/2023
Authorization No.: 135656	Issuance Date: 09/29/2015
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 4	Version No./Date: 01/08/1980
Number: 5	Version No./Date: 09/12/1989
Number: 41	Version No./Date: 01/08/1980
Number: 51	Version No./Date: 09/12/1989
Number: 52	Version No./Date: 03/15/1985
Number: 58	Version No./Date: 01/08/1980
Number: 58	Version No./Date: 05/12/1981
Number: 63	Version No./Date: 01/08/1980
Number: 106	Version No./Date: 08/30/1988
Number: 106	Version No./Date: 10/04/1995
Number: 106.142	Version No./Date: 03/14/1997
Number: 106.142	Version No./Date: 09/04/2000
Number: 106.144	Version No./Date: 09/04/2000
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 03/14/1997
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 09/04/2000

### **New Source Review Authorization References**

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

Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	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**
01	BAGHOUSE "A"	8097, PSDTX138M6
01-EAF	ARC FURNACE "A"	8097, PSDTX138M6
02A-FURN	BAR MILL REHEAT FURNACE	1635
04-EAF	ARC FURNACE "B"	8097, PSDTX138M6
05A	MEDIUM SECTION MILL REHEAT FURNACE STACK	8097, PSDTX138M6
05A-FURN	MEDIUM SECTION MILL REHEAT FURNACE	8097, PSDTX138M6
06	BAGHOUSE "B"	8097, PSDTX138M6
07	BAGHOUSE "C"	8097, PSDTX138M6
09	LARGE SECTION MILL REHEAT FURNACE STACK	8097, PSDTX138M6
09-FURN	LARGE SECTION MILL REHEAT FURNACE	8097, PSDTX138M6
10-01	A SIDE LADLE PREHEATER STATION 1	106.183/09/04/2000
10-02	A SIDE LADLE PREHEATER STATION 2	106.183/09/04/2000
10-03	B SIDE LADLE PREHEATER STATION 3	106.183/09/04/2000
10-04	B SIDE LADLE PREHEATER STATION 4	106.183/09/04/2000
10-05	B SIDE LADLE PREHEATER STATION 5	106.183/09/04/2000
10-06	"A" CASTER EAST TUNDISH PREHEATER	8097, PSDTX138M6
10-07	"A" CASTER WEST TUNDISH PREHEATER	8097, PSDTX138M6
10-08	"B" CASTER EAST TUNDISH PREHEATER	8097, PSDTX138M6
10-09	"B" CASTER WEST TUNDISH PREHEATER	8097, PSDTX138M6
10-10	"NSS" CASTER TUNDISH PREHEATER	8097, PSDTX138M6
10-11	OIL CAST TUNDISH PREHEATER	8097, PSDTX138M6

### 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**
10-12	INTERTECH TUNDISH PREHEATER	8097, PSDTX138M6
10-13	VERTICAL LADLE PREHEATER	8097, PSDTX138M6
10-14	SHROUD PREHEATER	8097, PSDTX138M6
13	BAGHOUSE DUST RAILCAR FUGITIVES	8097, PSDTX138M6
15A	PELLETIZER SILO BAGHOUSE	8097, PSDTX138M6
15B	RAILCAR LOADING AT PELLITIZER SILO	8097, PSDTX138M6
54	BAGHOUSE "D"	8097, PSDTX138M6
55	BAGHOUSE "E"	8097, PSDTX138M6
BM-1	BAR MILL - 2,000 GALLON DIESEL STORAGE TANK	58/05/12/1981
BM-5	BAR MILL - 1,100 GALLON GEAR OIL STORAGE TANK	51/09/12/1989
COMFRTHT	HVAC AND SPACE HEATERS	106.183/09/04/2000
GASUNLD	GASOLINE UNLOADING	106.473/09/04/2000
H-1	HARSCO - 10,000 GALLON DIESEL STORAGE TANK	58/01/08/1980
LSM-1	LARGE SECTION MILL - 8,000 GALLON LUBE OIL STORAGE	106.472/09/04/2000
LSM-10	LARGE SECTION MILL- 5,150 GALLON WASTE OIL STORAGE	106.472/09/04/2000
LSM-2	LARGE SECTION MILL -12,000 GALLON LUBE OIL STORAGE	106.472/09/04/2000
LSM-3	LARGE SECTION MILL - 4,000 GALLON LUBE OIL STORAGE	106.472/09/04/2000
LSM-6	LARGE SECTION MILL - 8,000 GALLON LUBE OIL STORAGE	106.472/09/04/2000
LSM-7	LARGE SECTION MILL - 3,000 GALLON GEAR OIL STORAGE	106.472/09/04/2000
LSM-8	LARGE SECTION MILL - 2,000 GALLON LUBE OIL STORAGE	106.472/09/04/2000
LSM-9	LARGE SECTION MILL- 2,000 GALLON WASTE OIL STORAGE	106.472/09/04/2000

### 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**
MELT-1	MELT SHOP - 12,000 GALLON LUBE OIL STORAGE TANK	106.472/09/04/2000
MELT-2	MELT SHOP- 5,000 GALLON HYDRAULIC OIL STORAGE TANK	106.472/09/04/2000
MELTSHOP	MELTSHOP	8097, PSDTX138M6
MSM-1	MEDIUM SECTION MILL - 2,000 GALLON DIESEL STORAGE	106.472/09/04/2000
PW-CS	TWENTY COLD SOLVENT PARTS WASHERS	106.454/11/01/2001
RCD-2	RCD – 3,000 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
RY-1	RAIL YARD - 3,000 GALLON DIESEL STORAGE TANK	58/01/08/1980
SB-1	SETTLING BASIN - 3,000 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
SB-10	SETTLING BASIN-3,000 GALLON WASTE OIL STORAGE TANK	106.472/09/04/2000
SB-4	SETTLING BASIN-4,000 GALLON WASTE OIL STORAGE TANK	106.472/09/04/2000
SB-5	SETTLING BASIN-4,000 GALLON WASTE OIL STORAGE TANK	106.472/09/04/2000
SB-7	SETTLING BASIN-3,000 GALLON WASTE OIL STORAGE TANK	106.472/09/04/2000
SB-8	SETTLING BASIN-3,000 GALLON WASTE OIL STORAGE TANK	106.472/09/04/2000
SB-9	SETTLING BASIN-3,000 GALLON WASTE OIL STORAGE TANK	106.472/09/04/2000
SHDR-3	SHREDDER - 1,100 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
SRIC01	EMERGENCY GENERATOR - MAIN OFFICE	5/09/12/1989
SRIC02	EMERGENCY GENERATOR - S BAR MILL	5/09/12/1989
SRIC03	EMERGENCY GENERATOR - BAR MILL REHEAT	5/09/12/1989
SRIC04	EMERGENCY GENERATOR - STAR BACKUP	5/09/12/1989
SRIC05	EMERGENCY PUMP - MELT SHOP A	5/09/12/1989
SRIC06	EMERGENCY PUMP - MELT SHOP B	5/09/12/1989

### 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**
SRIC07	EMERGENCY PUMP - MELT SHOP #2 COOLING TOWER	5/09/12/1989
SRIC08	EMERGENCY PUMP - MED SECTION MILL	5/09/12/1989
SRIC09	EMERGENCY PUMP - LG SECTION MILL	5/09/12/1989
SRIC10	EMERGENCY GENERATOR - BAR MILL ROLLING	5/09/12/1989
SRIC11	EMERGENCY PUMP - STORES	106.511/09/04/2000
SRIC12	EMERGENCY PUMP - LSM	106.511/09/04/2000
SRIC13	EMERGENCY GENERATOR - SHREDDER	106.511/09/04/2000
STR-1	STORES - 6,000 GALLON DIESEL STORAGE TANK	58/01/08/1980
VOCLOAD	USED OIL LOADING	106.472/09/04/2000
VOCUNLD	DIESEL/LUBE UNLOADING	106.472/09/04/2000

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

**Appendix A**

**Acronym List ..... 94**

## 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 <sub>2</sub> S .....	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 <sub>x</sub> .....	nitrogen oxides
NSPS .....	New Source Performance Standard (40 CFR Part 60)
NSR .....	New Source Review
ORIS .....	Office of Regulatory Information Systems
Pb .....	lead
PBR .....	Permit By Rule
PEMS .....	predictive emissions monitoring system
PM .....	particulate matter
ppmv .....	parts per million by volume
PRO .....	process unit
PSD .....	prevention of significant deterioration
psia .....	pounds per square inch absolute
SIP .....	state implementation plan
SO <sub>2</sub> .....	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 ..... 96**

**Major NSR Summary Table**

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
01	Meltshop Overhead Canopy Hoods Baghouse A Stack (6)(7)  (FIN:01-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches)	PM	13.00	54.00	3, 4, 5, 6, 15, 19, 22, 24, 25, 26, 29, 30, 33, 36, 37, 38, 39, 40, 43	3, 4, 5, 6, 24, 26, 29, 30, 33, 39, 42, 43	3, 4, 24, 29, 30, 33, 36, 37, 38, 39, 40, 41, 43
		PM <sub>10</sub>	13.00	54.00			
		PM <sub>2.5</sub>	9.60	40.00			
		CO	---	---			
		NO <sub>x</sub>	---	---			
		SO <sub>2</sub>	---	---			
		VOC	----	---			
		Pb	0.042	0.1518			
		Hg	0.0029	0.011			
		Cr	0.0011	0.0038			
		Cd	0.0016	0.0057			
06	Meltshop Overhead Canopy Hoods Baghouse B Stack (6) (7)	PM	21.90	91.10	3, 4, 5, 6, 15, 19, 22, 24, 25, 26, 28, 30, 33, 36, 37, 38, 39, 40, 43	3, 4, 5, 6, 24, 26, 30, 33, 39, 43	3, 4, 24, 30, 32, 33, 36, 37, 38, 39, 40, 41, 43
		PM <sub>10</sub>	21.90	91.10			
		PM <sub>2.5</sub>	16.20	67.40			
		CO	---	---			
		NO <sub>x</sub>	---	---			

Major NSR Summary Table

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	(FIN: 04-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches)	SO <sub>2</sub>	---	---			
		VOC	---	---			
		Pb	0.073	0.2609			
		Hg	0.005	0.0179			
		Cr	0.0018	0.0065			
		Cd	0.0027	0.0098			
07	Furnace A and B 4 <sup>th</sup> Hole Evacuation and Meltshop Overhead Canopy Hood Baghouse C Stack (7)  (FIN: 01-EAF, 04-EAF, Tundish Pre-Heater, Ladle	PM	17.37	72.41	3, 4, 5, 6, 15, 19, 22, 24, 25, 26, 28, 30, 33, 36, 37, 38, 39, 40, 43	3, 4, 5, 6, 24, 26, 30, 33, 39, 42, 43	3, 4, 24, 26, 30, 32, 33, 36, 37, 38, 39, 40, 41, 43
		PM <sub>10</sub>	17.37	72.41			
		PM <sub>2.5</sub>	12.85	53.38			
		CO	---	---			
		NO <sub>x</sub>	---	---			
		SO <sub>2</sub>	---	---			
		VOC	---	---			

Major NSR Summary Table

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches)	Pb	0.023	0.0818			
		Hg	0.11	0.3949			
		Cr	0.0022	0.0079			
		Cd	0.0013	0.0047			
54	Roof Monitor Baghouse D Stack (7)  (FIN: FURNAFUG, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and Caster Torches)	PM	3.73	15.56	3, 4, 5, 6, 15, 19, 22, 25, 26, 29, 30, 36, 37, 38, 39, 40, 43	3, 4, 5, 6, 26, 29, 30, 39, 42, 43	3, 4, 29, 30, 36, 37, 38, 39, 40, 41, 43
		PM <sub>10</sub>	3.73	15.56			
		PM <sub>2.5</sub>	2.76	11.52			
		CO	---	---			
		NO <sub>x</sub>	---	---			
		SO <sub>2</sub>	---	---			
		VOC	---	---			
		Pb	0.0029	0.0103			
		Hg	0.0002	0.00071			
		Cr	0.0001	0.00026			

**Major NSR Summary Table**

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Cd	0.0001	0.00039			
55	Roof Monitor Baghouse E Stack (7) (FIN: FURNB-FUG, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and Caster Torches)	PM	3.73	15.56	3, 4, 5, 6, 15, 19, 22, 25, 26, 29, 30, 36, 37, 38, 39, 40, 43	3, 4, 5, 6, 26, 29, 30, 39, 42, 43	3, 4, 29, 30, 36, 37, 38, 39, 40, 41, 43
		PM <sub>10</sub>	3.73	15.56			
		PM <sub>2.5</sub>	2.76	11.52			
		CO	---	---			
		NO <sub>x</sub>	---	---			
		SO <sub>2</sub>	---	---			
		VOC	---	---			
		Pb	0.0029	0.0103			
		Hg	0.0002	0.00071			
		Cr	0.0001	0.00026			
		Cd	0.0001	0.00039			
01, 06, 07, 54, 55	Combined Hourly and Annual Melt Shop Gaseous Emissions	CO	503.80	1803.40	3, 4, 5, 6, 15, 22, 25, 26, 29, 30, 36, 37, 38, 39, 40, 43	3, 4, 5, 6, 26, 29, 30, 39, 42, 43	3, 4, 29, 30, 36, 37, 38, 39, 40, 41, 43
		NO <sub>x</sub>	156.00	348.90			
		SO <sub>2</sub>	137.78	378.10			

**Major NSR Summary Table**

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	59.81	94.20			
09	Large Section Mill Reheat Furnace Stack	PM	3.38	14.82	6, 25, 26, 30, 36, 37, 38, 39, 40, 43	6, 26, 30, 39, 42, 43	26, 30, 36, 37, 38, 39, 40, 41, 43
		PM <sub>10</sub>	3.38	14.82			
		PM <sub>2.5</sub>	3.38	14.82			
		CO	37.39	163.76			
		NO <sub>x</sub>	95.34	417.59			
		SO <sub>2</sub>	6.36	1.17			
		VOC	2.45	10.72			
11A	Outdoor Alloy Handling (5)	PM	0.0023	0.0089			
		PM <sub>10</sub>	0.0011	0.0042			
		PM <sub>2.5</sub>	0.0002	0.0006			
12	Scrap Steel Handling (5)	PM	0.48	1.93			
		PM <sub>10</sub>	0.23	0.91			
		PM <sub>2.5</sub>	0.03	0.14			
13	Baghouse	PM	0.001	0.0023			

Major NSR Summary Table

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Dust Railcar Fugitives (5)	PM <sub>10</sub>	0.0003	0.0011			
		PM <sub>2.5</sub>	0.00004	0.00016			
		Pb	1.48E-05	5.91E-05			
		Hg	8.72E-09	3.49E-08			
		Cr	9.69E-07	3.87E-06			
		Cd	4.16E-07	1.67E-06			
14	Alloy Piles (5)	PM	0.079	0.054			
		PM <sub>10</sub>	0.079	0.054			
		PM <sub>2.5</sub>	0.079	0.054			
15A	Pelletizer Silo Stack	PM	0.032	0.13	25, 26, 36, 37, 38, 39, 40	26, 39	36, 37, 38, 39, 40, 41
		PM <sub>10</sub>	0.032	0.13			
		PM <sub>2.5</sub>	0.032	0.13			
		Pb	8.46E-04	3.38E-03			
		Hg	4.99E-07	2.00E-06			
		Cr	5.54E-05	2.22E-04			

**Major NSR Summary Table**

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Cd	2.38E-05	9.53E-05			
15B	Railcar Loading From Pelletizer Silo (5)	PM	0.0006	0.0023			
		PM <sub>10</sub>	0.0003	0.00011			
		PM <sub>2.5</sub>	0.00004	0.00002			
		Pb	1.48E-05	5.91E-05			
		Hg	8.72E-09	3.49E-08			
		Cr	9.69E-07	3.87E-06			
		Cd	4.16E-07	1.67E-06			
30	In Plant Vehicle Traffic (5)	PM	-	34.8			
		PM <sub>10</sub>	-	12.5			
		PM <sub>2.5</sub>		1.25			



### Major NSR Summary Table

Permit Numbers: 8097 and PSDTX138M6					Issuance Date: August 18, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
05A	Medium Section Mill Reheat Furnace Stack	PM	1.73	5.62	6, 25, 26, 27, 30, 36, 37, 38, 39, 40, 43	6, 26, 27, 30, 39, 42, 43	27, 30, 36, 37, 38, 39, 40, 41, 43
		PM <sub>10</sub>	1.73	5.62			
		PM <sub>2.5</sub>	1.73	5.62			
		CO	17.33	56.25			
		NO <sub>x</sub>	23.10	52.50			
		SO <sub>2</sub>	3.26	0.44			
		VOC	1.22	3.98			
73	ASR Dryer Baghouse Stack	PM	0.61	2.67	6, 30, 43	6, 30, 42, 43	30, 43
		PM <sub>10</sub>	0.61	2.67			
		PM <sub>2.5</sub>	0.20	0.88			
		CO	1.40	6.13			
		NO <sub>x</sub>	1.02	4.47			
		SO <sub>2</sub>	0.24	1.04			
		VOC	0.09	0.40			

(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 <sub>x</sub>	- total oxides of nitrogen
SO <sub>2</sub>	- sulfur dioxide
PM	- total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented
PM <sub>2.5</sub>	- particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide
Pb	- lead and lead compounds
Hg	- mercury and mercury compounds
Cr	- chromium and chromium compounds
Cd	- cadmium and cadmium compounds

- (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) Emissions collected in the canopy hood are combined in a mixing chamber before splitting to the two baghouses.
- (7) Indoor coke storage silo baghouse emits inside the Melt Shop building and its emissions are included in the values shown.
- (8) Planned startup and shutdown and maintenance emissions are included.

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Kelly Keel, *Interim Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

August 18, 2023

MR DANIEL RODRIGUES DO REGO  
VICE PRESIDENT AND GENERAL MANAGER  
CHAPARRAL STEEL MIDLOTHIAN LP  
300 WARD RD  
MIDLOTHIAN TX 76065-9646

Re: Permit Amendment  
Permit Number: 8097  
Expiration Date: January 14, 2032  
Chaparral Steel Midlothian, LP  
Steel Mill  
Midlothian, Ellis County  
Regulated Entity Number: RN100216472  
Customer Reference Number: CN600128656  
Associated Permit Number: PSDTX138M6

Dear Mr. Rodrigues do Rego:

Chaparral Steel Midlothian, LP has requested an amendment to Permit Number 8097.

In accordance with Title 30 Texas Administrative Code (TAC) §116.116(b) and §116.160, Permit Number 8097 is hereby amended. Enclosed are revised general conditions, special conditions, and a maximum allowable emission rates table.

This permit amendment will automatically void upon the occurrence of any of the following, as indicated in 30 TAC § 116.120(a):

1. Failure to begin construction within 18 months of the date of issuance,
2. Discontinuance of construction for more than 18 months prior to completion, or
3. Failure to complete construction within a reasonable time.

Upon request, the executive director may grant extensions as allowed in 30 TAC §116.120(b).

Mr. Daniel Rodrigues do Rego

Page 2

August 18, 2023

Re: Permit Number: 8097

If you need further information or have any questions, please contact Ms. Ariel Ramirez at (512) 239-4935 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

A handwritten signature in black ink, appearing to read 'Samuel Short', followed by a long horizontal line extending to the right.

Samuel Short, Deputy Director  
Air Permits Division  
Office of Air  
Texas Commission on Environmental Quality

Enclosure

cc: Air Section Manager, Region 4 - Dallas/Fort Worth  
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection  
Agency, Region 6, Dallas

Project Number: 351827



## Texas Commission on Environmental Quality Air Quality Permit

*A Permit Is Hereby Issued To*  
**Chaparral Steel Midlothian, LP**  
*Authorizing the Continued Operation of*  
**Steel Mill**  
*Located at Midlothian, Ellis County, Texas*  
*Latitude 32° 27' 25" Longitude -97° 2' 8"*

Permits: 8097 and PSDTX138M6

Issuance Date: January 14, 2022

Expiration Date: January 14, 2032

\_\_\_\_\_  
For the Commission

A handwritten signature in black ink, appearing to read "T. G. Bahr".

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)] <sup>1</sup>
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)]

1. **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)]<sup>1</sup>
2. **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)]
3. **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)]
4. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
5. **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)]
6. **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.
7. **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.<sup>1</sup>

<sup>1</sup> 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	gpm = gallon per minute
°F = Temperature in degrees Fahrenheit	gr/1000scf = grain per 1000 standard cubic feet
°K = Temperature in degrees Kelvin	gr/dscf = grain per dry standard cubic feet
µg = microgram	H <sub>2</sub> CO = formaldehyde
µg/m <sup>3</sup> = microgram per cubic meter	H <sub>2</sub> S = hydrogen sulfide
acfm = actual cubic feet per minute	H <sub>2</sub> SO <sub>4</sub> = sulfuric acid
AMOC = alternate means of control	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
AOS = alternative operating scenario	HC = hydrocarbons
AP-42 = Air Pollutant Emission Factors, 5th edition	HCl = hydrochloric acid, hydrogen chloride
APD = Air Permits Division	Hg = mercury
API = American Petroleum Institute	HGB = Houston/Galveston/Brazoria
APWL = air pollutant watch list	hp = horsepower
BPA = Beaumont/ Port Arthur	hr = hour
BACT = best available control technology	IFR = internal floating roof tank
BAE = baseline actual emissions	in H <sub>2</sub> O = inches of water
bbl = barrel	in Hg = inches of mercury
bbl/day = barrel per day	IR = infrared
bhp = brake horsepower	ISC3 = Industrial Source Complex, a dispersion model
BMP = best management practices	ISCST3 = Industrial Source Complex Short-Term, a dispersion model
Btu = British thermal unit	K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
Btu/scf = British thermal unit per standard cubic foot or feet	LACT = lease automatic custody transfer
CAA = Clean Air Act	LAER = lowest achievable emission rate
CAM = compliance-assurance monitoring	lb = pound
CEMS = continuous emissions monitoring systems	hp = horsepower
cfm = cubic feet (per) minute	hr = hour lb/day = pound per day
CFR = Code of Federal Regulations	lb/hr = pound per hour
CN = customer ID number	lb/MMBtu = pound per million British thermal units
CNG = compressed natural gas	LDAR = Leak Detection and Repair (Requirements)
CO = carbon monoxide	LNG = liquefied natural gas
COMS = continuous opacity monitoring system	LPG = liquefied petroleum gas
CPMS = continuous parametric monitoring system	LT/D = long ton per day
DFW = Dallas/ Fort Worth (Metroplex)	m = meter
DE = destruction efficiency	m <sup>3</sup> = cubic meter
DRE = destruction and removal efficiency	m/sec = meters per second
dscf = dry standard cubic foot or feet	MACT = maximum achievable control technology
dscfm = dry standard cubic foot or feet per minute	MAERT = Maximum Allowable Emission Rate Table
ED = (TCEQ) Executive Director	MERA = Modeling and Effects Review Applicability
EF = emissions factor	mg = milligram
EFR = external floating roof tank	mg/g = milligram per gram
EGU = electric generating unit	mL = milliliter
EI = Emissions Inventory	MMBtu = million British thermal units
ELP = El Paso	MMBtu/hr = million British thermal units per hour
EPA = (United States) Environmental Protection Agency	MSDS = material safety data sheet
EPN = emission point number	MSS = maintenance, startup, and shutdown
ESL = effects screening level	MW = megawatt
ESP = electrostatic precipitator	NAAQS = National Ambient Air Quality Standards
FCAA = Federal Clean Air Act	NESHAP = National Emission Standards for Hazardous Air Pollutants
FCCU = fluid catalytic cracking unit	NGL = natural gas liquids
FID = flame ionization detector	NNSR = nonattainment new source review
FIN = facility identification number	NO <sub>x</sub> = total oxides of nitrogen
ft = foot or feet	NSPS = New Source Performance Standards
ft/sec = foot or feet per second	PAL = plant-wide applicability limit
g = gram	PBR = Permit(s) by Rule
gal/wk = gallon per week	
gal/yr = gallon per year	
GLC = ground level concentration	
GLC <sub>max</sub> = maximum (predicted) ground-level concentration	

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<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> = particulate matter equal to or less than 2.5 microns in diameter  
PM<sub>10</sub> = total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, 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<sub>2</sub> = 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 8097 and PSDTX138M6

### **Emission Standards**

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

### **Fuel Specifications**

2. Fuel for the Ladle Pre-Heaters, Tundish Pre-Heaters, Shroud Pre-Heater, and Caster Torches (Emission Point Nos. [EPN] 01, 06, 07, 54, and 55), Large Section Mill Reheat Furnace (EPN 09), Medium Section Mill Reheat Furnace (EPN 05A), "B Side" Ladle Heaters (EPN 10C), "A Side" Ladle Heaters (EPN 10D) and ASR Dryer (EPN 73) shall be pipeline quality, sweet natural gas. The use of any other fuel will require prior approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ).

### **Federal Applicability**

3. Electric Arc Furnace B 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; and
  - B. Subpart AA - Electric Arc Furnaces.
4. Electric Arc Furnace A and B 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; and
  - B. Subpart YYYYYY -Electric Arc Steel Making Facilities.

### **Opacity/Visible Emission Limitations**

5. Opacity of particulate matter (PM) emissions from the melt shop shall not exceed 6 percent. Determination of compliance with this requirement shall be made by first observing for visible emissions during normal plant operations. Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point. If visible emissions are observed from the emission point, opacity shall be determined using 40 CFR Part 60, Appendix A, TM 9. Contributions from uncombined water vapor shall not be included in determining compliance with this condition. Determination of compliance with this requirement shall be performed and the results recorded quarterly.
6. Opacity of particulate matter emissions from the Large Section Mill Reheat Furnace Stack (EPN 09), Medium Section Mill Reheat Furnace Stack (EPN 05A), and ASR Dryer Baghouse Stack (EPN 73) shall not exceed 5 percent averaged over a six-minute period and opacity of PM emissions

from Meltshop Overhead Canopy Hoods Baghouse A Stack (EPN 01), Meltshop Overhead Canopy Hoods Baghouse B Stack (EPN 06), Furnace A and B 4th Hole Evacuation and Meltshop Overhead Canopy Hood Baghouse C Stack (EPN 07), Roof Monitor Baghouse D Stack (EPN 54), and Roof Monitor Baghouse E Stack (EPN 55) shall not exceed 3 percent averaged over a six-minute period.

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

#### **Operational Limitations, Work Practices, and Plant Design**

8. Sources authorized by this permit may operate 8,760 hours per year, except for electric arc furnace (EAF) A and B which are limited to 8,000 hours per year for each EAF. Total cast steel production from both EAFs shall not exceed 1,832,920 tons per year. **(08/23)**
9. Retention and use of a spare transformer, not to exceed 138 MVA for EAF A is authorized. No more than one transformer shall be connected to EAF A at any one time.
10. The medium section mill reheat furnace, large section mill reheat furnace, and ASR Dryer shall not exceed the following firing rates:
  - A. Medium section mill reheat furnace maximum firing rate: 231.1 Million British Thermal Units per hour (MMBTU/Hr) and 1,500,000 Million British Thermal Units per year (MMBTU/Yr); **(08/23)**
  - B. Large section mill reheat furnace maximum firing rate: 454 MMBTU/Hr and 3,977,040 MMBTU/Yr; and
  - C. ASR Dryer maximum firing rate: 17 MMBTU/Hr and 148,920 MMBTU/Yr.
11. While two EAFs are operating simultaneously, the emission control system shall be operated with a minimum air flow of 2,000,000 actual cubic feet per minute (acfm) in order to maintain negative pressure on the melt shop. While only one EAF is in operation, the emission control system shall be operated with a minimum air flow of 1,325,000 acfm in order to maintain negative pressure on the melt shop. To ensure that the melt shop is under negative pressure, a minimum face velocity of 200 feet per minute through all doors and/or openings must be demonstrated per Special Condition No. 42.H. If any of the EAFs, ladle metallurgical furnaces (LMFs), ladle preheaters, or casters is being operated, the melt shop emission control system must be in operation.
12. Fabric filter baghouses A, B, and C designed to meet an outlet grain loading of not more than 0.0046 grains per dry standard cubic foot (gr/dscf) total PM each, properly installed and in good working order, shall control particulate matter emissions from 01-EAF, tundish pre-heaters, ladle pre-heaters, LMFs, shroud pre-heater, 04-EAF, and caster torches.
13. Fabric filter baghouses D and E designed to meet an outlet grain loading of not more than 0.001 grains per dry standard cubic foot (gr/dscf) total PM each, properly installed and in good working order shall control fugitive particulate matter emissions from FURNA-FUG, FURNB-FUG, LMFs, tundish pre-heaters, ladle pre-heaters, shroud pre-heater, and caster torches.

14. A fabric filter baghouse designed to meet an outlet grain loading of not more than 0.005 gr/dscf total PM, properly installed and in good working order, shall control particulate matter emissions from the ASR Dryer.
15. A visible and/or audible warning device shall be installed on each of the lime storage silos to warn operators when the silos are full so that silos are not overloaded. The lime silos shall not be overloaded at any time.
16. All hooding, duct, and collection systems shall be effective in capturing emissions from the intended equipment and in preventing fugitive emissions from the building. The hooding and duct systems shall be maintained free of holes, cracks, and other conditions that would reduce the collection efficiency of the emission capture system.
17. All particulate material retrieved from any of the baghouses shall be handled in a manner that will prevent the material from becoming airborne into the atmosphere. A portion of the material collected in baghouses A, B, C, D, and E exhausting at EPNs 01, 06, 07, 54, and 55 may be recycled through the electric arc furnace melting process. This material shall not exceed 1.5 percent by weight of the total charge and shall not exceed 8,000 hours per year of recycling activities.
18. All in-plant roads, truck loading and unloading areas, parking areas, and other traffic areas shall be sprinkled with water, and/or be treated with effective dust suppressant(s), and/or be paved (with a cohesive hard surface) and cleaned as necessary to maintain compliance with all Texas Commission on Environmental Quality (TCEQ) rules and regulations.
19. The main ductwork in the baghouse collection systems for the melt shop shall be inspected at least semi-annually and cleaned internally, as necessary, to remove dust buildup.
20. Annual average oxygen (O<sub>2</sub>) usage from operations in the two electric arc furnaces shall be maintained at the minimum level of at least 900 cubic feet of O<sub>2</sub> per ton of steel produced.
21. Use of a coherent injection system to inject carbon, O<sub>2</sub>, natural gas, and lime into EAFs A and B is authorized. Chemical analysis for total sulfur content of carbon and lime shall be conducted (or obtained from the supplier) on an annual basis. Low sulfur materials shall be used to the extent necessary to comply with permit limits.
22. Combined emissions (including planned maintenance, startup, and shutdown) from baghouses A through E (EPNs 01, 06, 07, 54, and 55) shall not exceed the following values as demonstrated by the annual testing in Special Condition No. 33:
  - A. NO<sub>x</sub> – 0.38 lb/ton steel cast,
  - B. SO<sub>2</sub> – 0.41 lb/ton steel cast,
  - C. VOC – 0.43 lb/ton steel cast, and
  - D. CO – 1.98 lb/ton steel cast.
23. The operations/processes listed in the following table operate per the criteria of the referenced Standard Exemption (SE)/Permit by Rule (PBR)/Standard Permit and are incorporated by reference:

**Table 1: Authorizations Incorporated by Reference**

Operation/Process	SE No./PBR No./Standard Permit	Registration No.
Medium Section Mill Reheat Furnace Burner Replacement	6001 Non-rule	135656
Lime Silos	106.144	105588
Ladle Pre-heaters	106.183	Unregistered

**Determination of Compliance**

24. 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 from Baghouses B and C (EPNs 06 and 07) and the actual air flow to Baghouse A (EPN 01). Emissions from Baghouse A will be based on the measured inlet air flow to Baghouse A and the measured volumetric concentrations in the Baghouse B stack. The sampling for Baghouses A, B and C will be conducted simultaneously. The emissions for Baghouses A and B will be used to calculate emissions from Baghouses D and E (modular multi-stack baghouses) based on the same methodology used in the permit application. Air contaminants to be tested for include, but are not limited to NO<sub>x</sub>, SO<sub>2</sub>, CO and VOC. Sampling shall be accomplished within 180 days after issuance of this permit/approval of this amendment (Project 317385). 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. The sampling for all pollutants tested will be consistent with 40 CFR 60.275 and include three tests at a minimum of four hours each with the following product configurations:

- EAF A: Structural Steel: EAF B: Structural Steel
- EAF A: Special Bar Quality Steel: EAF B: Structural Steel
- EAF A: Rebar Steel: EAF B: Structural Steel

The sampling report shall include copies of summaries for each heat conducted during the testing period which will be submitted separately as a confidential business addendum containing the following information:

- Product made,
- Weight of billets cast from the heat,
- Electric Arc Furnace tap to tap times,
- Time of each scrap charge,
- Amount of carbon, natural gas and oxygen added to the electric arc furnace during heat,
- Ladle Metallurgical Furnace start and stop times,
- Amount of carbon added at the Ladle Metallurgical Furnace, and
- Documentation of scrap mix for heat.

### **Demonstration of Continuous Compliance**

25. Upon being informed by the TCEQ Executive Director that the staff has documented visible emissions from this facility exceeding opacity of emissions limitations, the holder of this permit shall conduct stack sampling analyses as appropriate or take immediate corrective action to demonstrate compliance.
26. 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 Sampling Procedures Manual 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.
27. The permit holder shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> from the Medium Section Mill Reheat Furnace stack (EPN 05A). **(08/23)**
  - 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, Title 40 Code of Federal Regulation Part 60 (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.
  - B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:
    - (1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.
    - (2) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of +15 percent accuracy indicate that the CEMS is out of control.

- C. The monitoring data shall be reduced to one-hour 1-hour average concentrations at least once every day, using a minimum of four equally spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission rate in pounds per hour at least once per day and cumulative tons per year on a 12-month rolling basis at least once per month as follows:  

Emissions calculations based on measured concentrations and exhaust flow rate shall be used to convert the 1-hour average concentration from the CEMS to lb/hr to demonstrate compliance with the NO<sub>x</sub> and CO emission limits in the MAERT. Exhaust flow rate may be monitored directly or calculated by monitoring fuel flow and using EPA Test Method 19.
- D. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
- E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.
- F. Quality-assured (or valid) data must be generated when the furnace is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the furnace operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.

### **Continuous Assurance Monitoring**

- 28. The holder of this permit shall equip baghouses B and C exhausting at EPNs 06 and 07 with a bag leak detection system. The System shall be installed, operated, adjusted, and maintained in a manner consistent with the approved site-specific monitoring plan. If the detection system alarm activates, the permit holder will 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. As an alternative to the bag leak detection system, the holder of this permit may equip baghouses B and C with a continuous monitoring system for measurement of opacity of emissions exhausting at EPNs 06 and 07.
- 29. Visible emissions observations of baghouses A, D, and E exhausting at EPNs 01, 54, and 55 shall be made and recorded once per day. 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 mile, 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 TM 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If

the result of the TM 9 is opacity above the corresponding opacity limit, the permit holder shall report a deviation.

30. 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 Large Section Mill Reheat Furnace Stack (EPN 09), Medium Section Mill Reheat Furnace Stack (EPN 05A), and ASR Dryer Baghouse Stack (EPN 73), Meltshop Overhead Canopy Hoods Baghouse A Stack (EPN 01), Meltshop Overhead Canopy Hoods Baghouse B Stack (EPN 06), Furnace A and B 4th Hole Evacuation and Meltshop Overhead Canopy Hood Baghouse C Stack (EPN 07), Roof Monitor Baghouse D Stack (EPN 54), and Roof Monitor Baghouse E Stack (EPN 55). 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 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 Record Keeping 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 Record Keeping Requirements.
31. The control devices shall not have a bypass.
32. The TCEQ Regional Office shall be notified as soon as possible after the discovery of any bag leak detection system malfunction which is expected to result in more than 24 hours of lost data. Necessary corrective action shall be taken if the downtime exceeds 5 percent of the (emissions source) 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.
33. After the initial demonstration of compliance, the holder of this permit shall perform annual stack sampling and/or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from Baghouses B and C (EPNs 06 and 07) and the actual air flow to Baghouse A (EPN 01). Emissions from Baghouse A will be based on the measured inlet air flow to Baghouse A and the measured volumetric concentrations in the Baghouse B stack. The sampling for Baghouses A, B and C will be conducted simultaneously. The emissions for Baghouses A and B will be used to calculate emissions from Baghouses D and E (modular multi-stack baghouses) based on the same methodology used in the permit application. Air contaminants to be tested for include, but are not limited to NO<sub>x</sub>, SO<sub>2</sub>, CO, and VOC. The permit holder may request the TCEQ Executive Director to approve alternate sampling techniques or other means to determine the rates, composition, and/or concentration of emissions in accordance with 30 TAC § 101.8. Sampling shall occur each calendar year within 60 days of the anniversary date of the most recent compliance sampling. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. The sampling for all pollutants tested will be consistent with 40 CFR 60.275 and include three tests at a minimum of four hours each.

The sampling report shall include copies of summaries for each heat conducted during the testing period which will be submitted separately as a confidential business addendum containing the following information:

- A. Product made,
- B. Weight of billets cast from the heat,
- C. Electric Arc Furnace tap to tap times,
- D. Time of each scrap charge,
- E. Amount of carbon, natural gas and oxygen added to the electric arc furnace during heat,
- F. Ladle Metallurgical Furnace start and stop times,
- G. Amount of carbon added at the Ladle Metallurgical Furnace, and
- H. Documentation of scrap mix for heat.

#### **Sampling Requirements**

- 34. 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 attachment entitled "Chapter 2, Stack Sampling Facilities" prior to stack sampling. Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Office with jurisdiction.
- 35. Sampling shall be conducted in accordance with the TCEQ Sampling Procedures Manual and EPA Test Methods in 40 CFR Part 60, Appendix A, and 40 CFR Part 51, Appendix M.
- 36. 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.



37. 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.
38. 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.
39. During stack sampling emission testing, the facilities shall operate at maximum represented production/throughput rates. Primary operating parameters that enable determination of production rates and the other parameters noted in Special Condition 33 shall be monitored and recorded during the stack test. These parameters and any additional parameters determined to be necessary for the purpose of the test are to be presented at the pretest meeting and the method of recording the data explained.

If the plant is unable to operate at the maximum represented production/throughput rates during testing, then additional stack testing may be required when the production rate exceeds the previous stack test production rate as determined, in writing, by the TCEQ Regional Director.

40. 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 may require EPA approval, and requests shall be submitted to the TCEQ Regional Office with jurisdiction.
41. 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.

#### **Recordkeeping Requirements**

42. The following records shall be maintained on-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:
  - A. The permit holder shall maintain records (by weight) of daily steel production;
  - B. The permit holder shall maintain records by weight of the monthly A, B, C, D, and E baghouse total dust collection;
  - C. The permit holder shall maintain monthly records of the amount of dust sent off-site and the amount of dust recycled on-site;
  - D. The results of the ductwork inspection required by Special Condition No.19 shall be recorded after each inspection;

- E. Records of the medium section mill reheat furnace, large section mill reheat furnace, and ASR Dryer annual firing rate;
- F. Records of monthly average O<sub>2</sub>, carbon, and lime usage on a per ton of steel basis shall be maintained;
- G. Records of carbon and lime chemical analysis required by Special Condition No. 21;
- H. In order to demonstrate that the melt shop is under negative pressure (minimum face velocity of 200 fpm) records regarding melt shop air flow rates and furnace operations shall be kept and shall include the following:
  - (1) Identify which EAFs are in operation and the date and time the operating scenario began;
  - (2) Identify which baghouses are in operation during the same operating scenario and the associated air flow rates;
- I. Records of visible/opacity emission observations required by Special Conditions Nos. 5, 6, 29, and 30;
- J. Records of hours of operation for each EAF;
- K. Copies of stack sampling and information required by Special Condition No. 24 and 33 thru 41.
- L. Records of annual alloy handling. **(08/23)**
- M. Records of annual hours of operation for the baghouse and calculated emissions based on outlet grain loading and volumetric flow. **(08/23)**

#### Could Have Accommodated (COA) Requirements

43. The project associated with the permit application PI-1 dated December 23, 2022, TCEQ NSR Project No. 351827, was determined to not be subject to major new source review through the use of projected actual emission rates for one or more facilities associated with the project. Actual emissions from the sources using a projected actual as listed in the table of this special condition shall be monitored as represented in the application and records maintained, and reports provided in accordance with 30 TAC §116.127. Records shall be maintained for five calendar years from the resumption of regular operations. Records shall include the date of resumption of regular operations after the project change. **(08/23)**

<b>Pollutant: VOC</b>							
Application project emissions increase: 9.57 tpy							
FIN	EPN	Permit No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF/ 04-EAF	01	8097	76.22	94.15	90.35	8.53*	42.A
	06	8097					
	07	8097					
	54	8097					
	55	8097					
05A-FURN	05A	8097	2.61	3.98	3.59	0.68**	42.E

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09-FURN	09	8097	2.25	10.72	2.79	0.75***	42.E
16	16	3026	37.91	97.50	51.51	10.27****	Permit 3026, CND 12.D
73	73	8097	0.07	0.4	-	-	42.E
Total Baseline Actual (tpy)			119.06				

\* Melt Shop emissions are calculated based on the amount of steel cast production. The calculated COA emission rate for the "A" EAF is based on the highest monthly "A" EAF steel production during the baseline period (59,420.1 ton steel cast during Oct 2021) x 12 months/yr and the calculated COA emission rate for the "B" EAF is based on the highest monthly "B" EAF steel production during the baseline period 91,535.3 ton steel cast during Nov 2021) x 12 months/yr. Note: the monthly maximum production rate includes weekly shutdown periods, typically 15 hours in duration for maintenance.

\*\* Potential debottlenecking downstream emission increases are being calculated for the Medium Section Mill Reheat Furnace. The calculated COA emission rate for the Medium Section Mill Reheat Furnace is based on the highest monthly Medium Section Mill Reheat Furnace monthly firing rate during the baseline period (104,637 MMBtu during October 2021) x 12 months/yr.

\*\*\* Potential debottlenecking downstream emission increases are being calculated for the Large Section Mill Reheat Furnace. The calculated COA emission rate for the Large Section Mill Reheat Furnace is based on the highest monthly Large Section Mill Reheat Furnace monthly firing rate during the baseline period (91,642 MMBtu during January 2020) x 12 months/yr.

\*\*\*\* Potential debottlenecking upstream emission increases are being calculated for the automobile shredder. The calculated COA emission rate for the automobile shredder is based on the highest monthly shredder monthly scrap input during the baseline period (61,761 tons scrap during September 2021) x 12 months/yr.

Pollutant: NOx							
Application project emissions increase: 24.55 tpy							
FIN	EPN	Permit No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF/ 04-EAF	01	8097	282.42	348.86	334.79	31.62*	42.A
	06	8097					
	07	8097					
	54	8097					
	55	8097					
05A-FURN	05A	8097	32.38	52.50	44.53	8.44**	42.E
09-FURN	09	8097	23.92	417.59	29.62	8.00***	42.E
73	73	8097	0.72	4.47	1.26	0.41****	42.E
Total Baseline Actual (tpy)			339.44				
<p>* Melt Shop emissions are calculated based on the amount of steel cast production. The calculated COA emission rate for the "A" EAF is based on the highest monthly "A" EAF steel production during the baseline period (59,420.1 ton steel cast during Oct 2021) x 12 months/yr and the calculated COA emission rate for the "B" EAF is based on the highest monthly "B" EAF steel production during the baseline period 91,535.3 ton steel cast during Nov 2021) x 12 months/yr. Note: the monthly maximum production rate includes weekly shutdown periods, typically 15 hours in duration for maintenance.</p> <p>** Potential debottlenecking downstream emission increases are being calculated for the Medium Section Mill Reheat Furnace. The calculated COA emission rate for the Medium Section Mill Reheat Furnace is based on the highest monthly Medium Section Mill Reheat Furnace monthly firing rate during the baseline period (104,637 MMBtu during October 2021) x 12 months/yr.</p> <p>*** Potential debottlenecking downstream emission increases are being calculated for the Large Section Mill Reheat Furnace. The calculated COA emission rate for the Large Section Mill Reheat Furnace is based on the highest monthly Large Section Mill Reheat Furnace monthly firing rate during the baseline period (91,642 MMBtu during January 2020) x 12 months/yr.</p> <p>**** Potential debottlenecking downstream emission increases are being calculated for the ASR Dryer (EPN 73). The calculated COA emission rate for the ASR Dryer is based on the highest monthly natural gas usage during the baseline period (3,171,142 scf/month during May 2021) 1 12 months/yr.</p>							

Pollutant: CO	
Application project emissions increase: 98.80 tpy	

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FIN	EPN	Permit No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF/ 04-EAF	01	8097	1467.77	1803.44	1730.71	164.35*	42.A
	06	8097					
	07	8097					
	54	8097					
	55	8097					
05A-FURN	05A	8097	0.74	56.25	1.02	0.19**	42.E
09-FURN	09	8097	1.97	163.76	2.44	0.66***	42.E
73	73	8097	1.04	6.13	1.73	0.56****	42.E
Total Baseline Actual (tpy)			1471.52				

\* Melt Shop emissions are calculated based on the amount of steel cast production. The calculated COA emission rate for the "A" EAF is based on the highest monthly "A" EAF steel production during the baseline period (59,420.1 ton steel cast during Oct 2021) x 12 months/yr and the calculated COA emission rate for the "B" EAF is based on the highest monthly "B" EAF steel production during the baseline period 91,535.3 ton steel cast during Nov 2021) x 12 months/yr. Note: the monthly maximum production rate includes weekly shutdown periods, typically 15 hours in duration for maintenance.

\*\* Potential debottlenecking downstream emission increases are being calculated for the Medium Section Mill Reheat Furnace. The calculated COA emission rate for the Medium Section Mill Reheat Furnace is based on the highest monthly Medium Section Mill Reheat Furnace monthly firing rate during the baseline period (104,637 MMBtu during October 2021) x 12 months/yr.

\*\*\* Potential debottlenecking downstream emission increases are being calculated for the Large Section Mill Reheat Furnace. The calculated COA emission rate for the Large Section Mill Reheat Furnace is based on the highest monthly Large Section Mill Reheat Furnace monthly firing rate during the baseline period (91,642 MMBtu during January 2020) x 12 months/yr.

\*\*\*\* Potential debottlenecking downstream emission increases are being calculated for the ASR Dryer (EPN 73). The calculated COA emission rate for the ASR Dryer is based on the highest monthly natural gas usage during the baseline period (3,171,142 scf/month during May 2021) 1 12 months/vr.

Pollutant: SO <sub>2</sub>							
Application project emissions increase: 23.55 tpy							
FIN	EPN	Permit No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF/ 04-EAF	01	8097	306.07	378.07	365.82	34.27*	42.A
	06	8097					
	07	8097					
	54	8097					
	55	8097					
05A-FURN	05A	8097	0.30	0.44	0.41	0.08**	42.E
09-FURN	09	8097	0.25	1.17	0.30	0.08***	42.E
73	73	8097	0.01	1.04	-	-	42.E
Total Baseline Actual (tpy)			306.63				

\* Melt Shop emissions are calculated based on the amount of steel cast production. The calculated COA emission rate for the "A" EAF is based on the highest monthly "A" EAF steel production during the baseline period (59,420.1 ton steel cast during Oct 2021) x 12 months/yr and the calculated COA emission rate for the "B" EAF is based on the highest monthly "B" EAF steel production during the baseline period 91,535.3 ton steel cast during Nov 2021) x 12 months/yr. Note: the monthly maximum production rate includes weekly shutdown periods, typically 15 hours in duration for maintenance.

\*\* Potential debottlenecking downstream emission increases are being calculated for the Medium Section Mill Reheat Furnace. The calculated COA emission rate for the Medium Section Mill Reheat Furnace is based on the highest monthly Medium Section Mill Reheat Furnace monthly firing rate during the baseline period (104,637 MMBtu during October 2021) x 12 months/yr.

\*\*\* Potential debottlenecking downstream emission increases are being calculated for the Large Section Mill Reheat Furnace. The calculated COA emission rate for the Large Section Mill Reheat Furnace is based on the highest monthly Large Section Mill Reheat Furnace monthly firing rate during the baseline period (91,642 MMBtu during January 2020) x 12 months/yr.

Pollutant: Pb							
Application project emissions increase: 23.55 tpy							
FIN	EPN	Permit No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF/ 04-EAF	01	8097	0.1229	0.1518	0.1456	0.0138*	42.A
	06	8097	0.2112	0.2609	0.2504	0.0236*	
	07	8097	0.0662	0.0818	0.0785	0.0074*	
	54	8097	0.0084	0.0103	0.0099	0.0009*	
	55	8097	0.0084	0.0103	0.0099	0.0009*	
16	16	3026	0.0023	-	0.0031	0.0006**	Permit 3026, Condition 12.D.
Total Baseline Actual (tpy)			0.4194				
<p>* Melt Shop emissions are calculated based on the amount of steel cast production. The calculated COA emission rate for the "A" EAF is based on the highest monthly "A" EAF steel production during the baseline period (59,420.1 ton steel cast during Oct 2021) x 12 months/yr and the calculated COA emission rate for the "B" EAF is based on the highest monthly "B" EAF steel production during the baseline period 91,535.3 ton steel cast during Nov 2021) x 12 months/yr. Note: the monthly maximum production rate includes weekly shutdown periods, typically 15 hours in duration for maintenance.</p> <p>** Potential debottlenecking upstream emission increases are being calculated for the automobile shredder. The calculated COA emission rate for the automobile shredder is based on the highest monthly shredder monthly scrap input during the baseline period (61.761 tons scrap during September 2021) x 12 months/yr.</p>							

<b>Pollutant: PM</b>							
Application project emissions increase: 13.48 tpy							
FIN	EPN	Permit No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF / 04-EAF	01	8097	46.97	53.99	51.81	4.84*	42.J
	06	8097	79.27	91.11	87.44	8.17*	
	07	8097	63.00	72.41	69.49	6.49*	
	54	8097	13.54	15.56	14.93	1.40*	
	55	8097	13.54	15.56	14.93	1.40*	
05A-FURN	05A	8097	3.70	5.62	5.08	0.96**	42.E
09-FURN	09	8097	3.11	14.82	3.85	1.04***	42.E
11A	11A	3026	0.01	0.01	-	-	42.L
12	12	8097	1.40	1.93	-	-	Permit 3026, CND 12.F
13	13	8097	0.0013	0.0023	-	-	42.C
16	16	3026	1.71	4.39	-	-	Permit 3026, CND 12.D
49	49	3026	0.32	0.36	-	-	Permit 3026, CND 12.E.
33	33	3026	0.05	0.050	-	-	
61	61	3026	0.04	0.04	-	-	
62	62	3026	0.08	0.09	-	-	
63	63	3026	0.03	0.03	-	-	

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\* The calculated COA emission rate for Melt Shop Baghouses 01, 06, 07, 54 and 55 is based on the highest monthly EAF operating hours during the baseline period (676 hrs/month during Oct 2021) x 12 months/yr. The annual could have accommodated hours of operation was adjusted downward to 8,000 hr/yr since the permit allowable is based on 8,000 hr/yr.

\*\* Potential debottlenecking downstream emission increases are being calculated for the Medium Section Mill Reheat Furnace. The calculated COA emission rate for the Medium Section Mill Reheat Furnace is based on the highest monthly Medium Section Mill Reheat Furnace monthly firing rate during the baseline period (104.637 MMBtu during October 2021) x 12 months/yr.

\*\*\* Potential debottlenecking downstream emission increases are being calculated for the Large Section Mill Reheat Furnace. The calculated COA emission rate for the Large Section Mill Reheat Furnace is based on the highest monthly Large Section Mill Reheat Furnace monthly firing rate during the baseline period (91,642 MMBtu during January 2020) x 12 months/yr.  
\*\*\*\* Potential debottlenecking upstream emission increases are being calculated for the automobile shredder. The calculated COA emission rate for the automobile shredder is based on the highest monthly shredder monthly scrap input during the baseline period (61,761 tons scrap during September 2021) x 12 months/yr.

<b>Pollutant: PM<sub>10</sub></b>							
Application project emissions increase: 10.44 tpy							
FIN	EPN	Permit/ PBR No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF / 04-EAF	01	8097	46.97	53.99	51.81	4.84	42.J
	06	8097	79.27	91.11	87.44	8.17	
	07	8097	63.00	72.41	69.49	6.49	
	54	8097	13.54	15.56	14.93	1.40	
	55	8097	13.54	15.56	14.93	1.40	
05A-FURN	05A	8097	3.70	5.62	5.08	0.96	42.E
09-FURN	09	8097	3.11	14.82	3.85	1.04	42.E
11A	11A	3026	0.0038	0.0042	-	-	42.L
12	12	8097	0.66	0.91	-	-	Permit 3026, CND 12.F
13	13	8097	0.0006	0.0011	-	-	42.C
16	16	3026	0.66	1.69	-	-	Permit 3026, CND 12.E.
49	49	3026	0.11	0.1200	-	-	
33	33	3026	0.02	0.02	-	-	
61	61	3026	0.01	0.01	-	-	
62	62	3026	0.03	0.03	-	-	
63	63	3026	0.01	0.01	-	-	
64	64	3026	0.00	0.00	-	-	
65	65	3026	0.00	0.00	-	-	
66	66	3026	0.01	0.02	-	-	
34 Biv West	34 Biv West	3026	0.09	0.10	-	-	
34 Biv East	34 Biv East	3026	0.0378	0.0400	-	-	
34 E/C West	34 E/C West	3026	0.02	0.02	-	-	
34 E/C East	34 E/C East	3026	0.00	0.00	-	-	
69	69	3026	0.01	0.0100	-	-	
70	70	3026	0.02	0.0200	-	-	
71	71	3026	0.01	0.01	-	-	
72	72	3026	0.01	0.01	-	-	
67	67	3026	2.01	2.24	-	-	
17	17	3026	0.12	0.42	-	-	
73	73	3026	1.30	2.67	-	-	42.E
74	74	3026	3.03	5.84	-	-	42.M
S1	S1	5983	0.55	0.98	-	-	Permit 5983, CND 17.B.
S3	S3	5983	0.00	0.01	-	-	
S4	S4	5983	0.00	0.01	-	-	

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S5	S5	5983	0.00	0.01	-	-	
S6	S6	5983	0.0095	0.02	-	-	
S8	S8	5983	0.00	0.01	-	-	
S10	S10	5983	0.01	0.02	-	-	
S12	S12	5983	0.00	0.01	-	-	
S17	S17	5983	0.00	0.01	-	-	
S18	S18	5983	0.00	0.01	-	-	
S19	S19	5983	0.00	0.01	-	-	
S21	S21	5983	0.00	0.01	-	-	
S23	S23	5983	0.00	0.01	-	-	
S25	S25	5983	0.01	0.02	-	-	
S27	S27	5983	0.14	0.27	-	-	
S31	S31	5983	0.02	0.03	-	-	
S34A	S34A	5983	2.95	5.25	-	-	
S34B	S34B	5983	0.16	0.29	-	-	
S35	S35	5983	0.55	0.98	-	-	
S40	S40	5983	0.01	0.02	-	-	
S41	S41	5983	0.00	0.01	-	-	
S42	S42	5983	0.0004	0.01	-	-	
S43	S43	5983	0.06	0.22	-	-	
S44	S44	5983	0.01	0.02	-	-	
S45	S45	5983	0.14	0.27	-	-	
S46	S46	5983	0.03	0.03	-	-	
SBH-1	SBH-1	5983	0.08	0.21	-	-	
Total Baseline Actual (tpy)			236.0321				

<b>Pollutant: PM<sub>2.5</sub></b>							
Application project emissions increase: 4.60 tpy							
FIN	EPN	Permit/ PBR No.	Baseline Actual Emissions (tpy)	Post Project Allowable (tpy)	Projected Actual Emissions (tpy)	Correction (tpy)	Monitoring Special Condition Nos.
01-EAF / 04-EAF	01	8097	34.76	39.95	38.34	3.58	42.J
	06	8097	58.66	67.42	64.70	6.05	
	07	8097	46.62	53.58	51.42	4.81	
	54	8097	10.02	11.52	11.05	1.03	
	55	8097	10.02	11.52	11.05	1.03	
05A-FURN	05A	8097	3.70	5.62	5.08	0.96	42.E
09-FURN	09	8097	3.11	14.82	3.85	1.04	42.E
11A	11A	3026	0.0006	0.0006	-	-	42.L
12	12	8097	0.10	0.14	-	-	Permit 3026, CND 12.F
13	13	8097	0.0001	0.0002	-	-	42.C
16	16	3026	0.10	0.2600	-	-	Permit 3026, CND 12.E
49	49	3026	0.02	0.02	-	-	
33	33	3026	0.00245	0.00300	-	-	



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61	61	3026	0.00196	0.00200	-	-		
62	62	3026	0.00425	0.00500	-	-		
63	63	3026	0.00139	0.00200	-	-		
64	64	3026	0.00041	0.00100	-	-		
65	65	3026	0.00041	0.00100	-	-		
66	66	3026	0.00143	0.00300	-	-		
34 Biv West	34 Biv West	3026	0.01291	0.01000	-	-		
34 Biv East	34 Biv East	3026	0.0057	0.0060	-	-		
34 E/C West	34 E/C West	3026	0.00311	0.00300	-	-		
34 E/C East	34 E/C East	3026	0.0062	0.0100	-	-		
69	69	3026	0.0015	0.0020	-	-		
70	70	3026	0.0029	0.0100	-	-		
71	71	3026	0.0011	0.0010	-	-		
72	72	3026	0.0010	0.0010	-	-		
67	67	3026	0.30363	0.34000	-	-		
17	17	3026	0.01849	0.06000	-	-		
73	73	3026	0.27632	0.88000	-	-		42.E
74	74	3026	0.45831	0.89000	-	-		42.M
S1	S1	5983	0.19380	0.34677	-	-		Permit 5983, CND 17.B
S3	S3	5983	0.00002	0.00283	-	-		
S4	S4	5983	0.00108	0.00283	-	-		
S5	S5	5983	0.00108	0.00283	-	-		
S6	S6	5983	0.027	0.0057	-	-		
S8	S8	5983	0.00016	0.00283	-	-		
S10	S10	5983	0.0006	0.0014	-	-		
S12	S12	5983	0.0001	0.0028	-	-		
S17	S17	5983	0.0009	0.0028	-	-		
S18	S18	5983	0.0009	0.0028	-	-		
S19	S19	5983	0.0009	0.0028	-	-		
S21	S21	5983	0.0000	0.0028	-	-		
S23	S23	5983	0.00009	0.00283	-	-		
S25	S25	5983	0.00253	0.00565	-	-		
S27	S27	5983	0.00972	0.01824	-	-		
S31	S31	5983	0.00278	0.00556	-	-		
S34A	S34A	5983	2.94914	5.25000	-	-		
S34B	S34B	5983	0.05814	0.10262	-	-		
S35	S35	5983	0.19380	0.34677	-	-		
S40	S40	5983	0.00013	0.0283	-	-		
S41	S41	5983	0.0001	0.0283	-	-		
S42	S42	5983	0.00014	0.0283	-	-		
S43	S43	5983	0.0109	0.02000	-	-		
S44	S44	5983	0.0001	0.00283	-	-		
S45	S45	5983	0.0001	0.00283	-	-		
S46	S46	5983	0.0000	0.0050	-	-		
SBH-1	SBH-1	5983	0.0824	0.2100	-	-		
Total Baseline Actual (tpy)			171.7508					

A report is due to the Executive Director in any calendar year in which the actual emissions for the project exceed the total baseline actual emissions in the table above by the netting significant emission rates in the table below, and a projected actual emission for any facility is exceeded in accordance with 116.127(d).

Contaminant	VOC	NO <sub>x</sub>	CO	SO <sub>2</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	Pb
Significant Threshold	40	40	100	40	25	15	10	0.6

If netting is triggered during the project and a projected actual emission is exceeded, and actual emissions do not exceed the netting significant emission rate for the calendar year, the permit holder will maintain an emissions record for the calendar year and no report is required.

Date: August 18, 2023

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 8097 and PSDTX138M6

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 (8)	
			lbs/hour	TPY (4)
01	Meltshop Overhead Canopy Hoods Baghouse A Stack (6)(7)  (FIN:01-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches)	PM	13.00	54.00
		PM <sub>10</sub>	13.00	54.00
		PM <sub>2.5</sub>	9.60	40.00
		CO	---	---
		NO <sub>x</sub>	---	---
		SO <sub>2</sub>	---	---
		VOC	----	---
		Pb	0.042	0.1518
		Hg	0.0029	0.011
		Cr	0.0011	0.0038
		Cd	0.0016	0.0057
06	Meltshop Overhead Canopy Hoods Baghouse B Stack (6) (7)  (FIN: 04-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches)	PM	21.90	91.10
		PM <sub>10</sub>	21.90	91.10
		PM <sub>2.5</sub>	16.20	67.40
		CO	---	---
		NO <sub>x</sub>	---	---
		SO <sub>2</sub>	---	---
		VOC	---	---
		Pb	0.073	0.2609
		Hg	0.005	0.0179
		Cr	0.0018	0.0065
		Cd	0.0027	0.0098
07	Furnace A and B 4 <sup>th</sup> Hole Evacuation and Meltshop Overhead Canopy Hood Baghouse C Stack (7)	PM	17.37	72.41
		PM <sub>10</sub>	17.37	72.41
		PM <sub>2.5</sub>	12.85	53.38
		CO	---	---

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
	(FIN: 01-EAF, 04-EAF, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Pre-Heater, Ladle Metallurgy Furnaces and Caster Torches)	NO <sub>x</sub>	---	---
		SO <sub>2</sub>	---	---
		VOC	---	---
		Pb	0.023	0.0818
		Hg	0.11	0.3949
		Cr	0.0022	0.0079
		Cd	0.0013	0.0047
54	Roof Monitor Baghouse D Stack (7) (FIN: FURNAFUG, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and Caster Torches)	PM	3.73	15.56
		PM <sub>10</sub>	3.73	15.56
		PM <sub>2.5</sub>	2.76	11.52
		CO	---	---
		NO <sub>x</sub>	---	---
		SO <sub>2</sub>	---	---
		VOC	---	---
		Pb	0.0029	0.0103
		Hg	0.0002	0.00071
		Cr	0.0001	0.00026
		Cd	0.0001	0.00039
55	Roof Monitor Baghouse E Stack (7) (FIN: FURNB-FUG, Tundish Pre-Heater, Ladle Pre-Heater, Shroud Ladle Metallurgy Furnaces Pre-Heater, and Caster Torches)	PM	3.73	15.56
		PM <sub>10</sub>	3.73	15.56
		PM <sub>2.5</sub>	2.76	11.52
		CO	---	---
		NO <sub>x</sub>	---	---
		SO <sub>2</sub>	---	---
		VOC	---	---
		Pb	0.0029	0.0103
		Hg	0.0002	0.00071
		Cr	0.0001	0.00026
		Cd	0.0001	0.00039

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
01, 06, 07, 54, 55	Combined Hourly and Annual Melt Shop Gaseous Emissions	CO	503.80	1803.40
		NO <sub>x</sub>	156.00	348.90
		SO <sub>2</sub>	137.78	378.10
		VOC	59.81	94.20
09	Large Section Mill Reheat Furnace Stack	PM	3.38	14.82
		PM <sub>10</sub>	3.38	14.82
		PM <sub>2.5</sub>	3.38	14.82
		CO	37.39	163.76
		NO <sub>x</sub>	95.34	417.59
		SO <sub>2</sub>	6.36	1.17
		VOC	2.45	10.72
11A	Outdoor Alloy Handling (5)	PM	0.0023	0.0089
		PM <sub>10</sub>	0.0011	0.0042
		PM <sub>2.5</sub>	0.0002	0.0006
12	Scrap Steel Handling (5)	PM	0.48	1.93
		PM <sub>10</sub>	0.23	0.91
		PM <sub>2.5</sub>	0.03	0.14
13	Baghouse Dust Railcar Fugitives (5)	PM	0.001	0.0023
		PM <sub>10</sub>	0.0003	0.0011
		PM <sub>2.5</sub>	0.00004	0.00016
		Pb	1.48E-05	5.91E-05
		Hg	8.72E-09	3.49E-08
		Cr	9.69E-07	3.87E-06
		Cd	4.16E-07	1.67E-06
14	Alloy Piles (5)	PM	0.079	0.054
		PM <sub>10</sub>	0.079	0.054
		PM <sub>2.5</sub>	0.079	0.054
15A	Pelletizer Silo Stack	PM	0.032	0.13
		PM <sub>10</sub>	0.032	0.13

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		PM <sub>2.5</sub>	0.032	0.13
		Pb	8.46E-04	3.38E-03
		Hg	4.99E-07	2.00E-06
		Cr	5.54E-05	2.22E-04
		Cd	2.38E-05	9.53E-05
15B	Railcar Loading From Pelletizer Silo (5)	PM	0.0006	0.0023
		PM <sub>10</sub>	0.0003	0.00011
		PM <sub>2.5</sub>	0.00004	0.00002
		Pb	1.48E-05	5.91E-05
		Hg	8.72E-09	3.49E-08
		Cr	9.69E-07	3.87E-06
		Cd	4.16E-07	1.67E-06
30	In Plant Vehicle Traffic (5)	PM	-	34.8
		PM <sub>10</sub>	-	12.5
		PM <sub>2.5</sub>		1.25
05A	Medium Section Mill Reheat Furnace Stack	PM	1.73	5.62
		PM <sub>10</sub>	1.73	5.62
		PM <sub>2.5</sub>	1.73	5.62
		CO	17.33	56.25
		NO <sub>x</sub>	23.10	52.50
		SO <sub>2</sub>	3.26	0.44
		VOC	1.22	3.98
73	ASR Dryer Baghouse Stack	PM	0.61	2.67
		PM <sub>10</sub>	0.61	2.67
		PM <sub>2.5</sub>	0.20	0.88
		CO	1.40	6.13
		NO <sub>x</sub>	1.02	4.47
		SO <sub>2</sub>	0.24	1.04
		VOC	0.09	0.40

Emission Sources - Maximum Allowable Emission Rates

- (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<sub>x</sub>
  - total oxides of nitrogen
- SO<sub>2</sub>
  - sulfur dioxide
- PM
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented.
- PM<sub>10</sub>
  - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented.
- PM<sub>2.5</sub>
  - particulate matter equal to or less than 2.5 microns in diameter
- CO
  - carbon monoxide
- Pb
  - lead and lead compounds
- Hg
  - mercury and mercury compounds
- Cr
  - chromium and chromium compounds
- Cd
  - cadmium and cadmium compounds
- (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) Emissions collected in the canopy hood are combined in a mixing chamber before splitting to the two baghouses.
- (7) Indoor coke storage silo baghouse emits inside the Melt Shop building and its emissions are included in the values shown.
- (8) Planned startup and shutdown and maintenance emissions are included.

Date: August 18, 2023