

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Ellwood Texas Forge, L.P.

AUTHORIZING THE OPERATION OF

Site/Area Name: Iron and Steel Forgings

SIC Name: Iron and Steel Forgings

LOCATED AT

Harris County, Texas

Latitude 29° 37' 45" Longitude 95° 24' 0"

Regulated Entity Number: RN100669589

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: O1760 Issuance Date: _____

For the Commission

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General Terms and Conditions

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

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

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

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

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

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

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

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
- E. Emission units subject to 40 CFR Part 63, Subpart XXXXXX as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1505 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 101.302 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
 - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
 - (v) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
 - (vi) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
- (i) Title 30 TAC § 101.352 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
 - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)

- (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
 - (v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)
 - (vi) Title 30 TAC § 101.359 (relating to Reporting)
 - (vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
 - (viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- H. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 101.372 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
 - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)
 - (v) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
 - (vi) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

- D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the

“Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

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

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
 - (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
 - (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other

structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) 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_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified

opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) 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. Permit holders for sites that have materials handling, construction, roads, streets, alleys, and parking lots shall comply with the following requirements:
 - (i) Title 30 TAC § 111.143 (relating to Materials Handling)
 - (ii) Title 30 TAC § 111.145 (relating to Construction and Demolition)
 - (iii) Title 30 TAC § 111.147 (relating to Roads, Streets, and Alleys)
 - (iv) Title 30 TAC § 111.149 (relating to Parking Lots)
- 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. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: “Storage of Volatile Organic Compounds,” the permit holder shall comply with the requirements of 30 TAC § 115.112(d)(1).
- 5. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):
 - A. Title 30 TAC § 115.512(1) (relating to Control Requirements)
 - B. Title 30 TAC § 115.512(2) (relating to Control Requirements)
 - C. Title 30 TAC § 115.512(3) (relating to Control Requirements)
 - D. Title 30 TAC § 115.515 (relating to Testing 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. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

New Source Review Authorization Requirements

- 8. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area,

including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

- A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
9. 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.
10. 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, material safety data sheets (MSDS), 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.
- A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
 - B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

11. 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.
12. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
 - (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
 - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)
 - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).
 - C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
13. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) Offsets for Title 30 TAC Chapter 116
 - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
 - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
 - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
14. Use of Discrete Emission Credits to comply with the applicable requirements:

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

Protection of Stratospheric Ozone

- 15. 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.

Temporary Fuel Shortages (30 TAC § 112.15)

- 16. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

- A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
- B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (c) (relating to Temporary Fuel Shortage Plan Operating Requirements)
- C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
- D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

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

Permit Shield (30 TAC § 122.148)

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

Attachments

Applicable Requirements Summary

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary17

Applicable Requirements Summary 19

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
2202	PROCESS HEATERS/FURNACES	N/A	R7310	30 TAC Chapter 117, Subchapter B	No changing attributes.
BLAST 1	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
BLAST 2	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
BLAST 3	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
DSLOAD	LOADING/UNLOADIN G OPERATIONS	N/A	1115-DSLOAD	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
DSTANK	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FAB WELD 1	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
HYDLOAD	LOADING/UNLOADIN G OPERATIONS	N/A	R5211	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
HYDTANK	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
SEP	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	115-SEP	30 TAC Chapter 115, Water Separation	No changing attributes.
W WELD 1	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
W WELD 2	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
W WELD 3	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
WA GRIND 2	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
WA WELD1	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
WR GRIND 1	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
WS GRIND 1	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.
WS GRIND 2	METAL FABRICATION AND FINISHING	N/A	63XXXXXX	40 CFR Part 63, Subpart XXXXXX	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2202	EU	R7310	NO _x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(14)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c)
2202	EU	R7310	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B)	CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
BLAST 1	EU	63XXXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(a)(2) § 63.11516(a)(2)(i) [G]§ 63.11516(a)(2)(ii)	If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, you must comply with the requirements in paragraphs (a)(2)(i) and (ii) of this section. Dry abrasive blasting operations for	§ 63.11517(a) § 63.11517(b) § 63.11517(b)(1) § 63.11517(b)(2) § 63.11517(b)(3) § 63.11517(b)(4)	[G]§ 63.11519(c)(1) § 63.11519(c)(13) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4) [G]§ 63.11519(b)(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)
						which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in paragraph (a)(3) of this section.			
BLAST 2	EU	63XXXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(a)(2) § 63.11516(a)(2)(i) [G]§ 63.11516(a)(2)(ii)	If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, you must comply with the requirements in paragraphs (a)(2)(i) and (ii) of this section. Dry abrasive blasting operations for which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in paragraph (a)(3) of this section.	§ 63.11517(a) § 63.11517(b) § 63.11517(b)(1) § 63.11517(b)(2) § 63.11517(b)(3) § 63.11517(b)(4)	[G]§ 63.11519(c)(1) § 63.11519(c)(13) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4) [G]§ 63.11519(b)(5)
BLAST 3	EU	63XXXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(a)(2) § 63.11516(a)(2)(i) [G]§ 63.11516(a)(2)(ii)	If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, you must comply with the requirements in paragraphs (a)(2)(i) and (ii) of this section. Dry abrasive blasting operations for	§ 63.11517(a) § 63.11517(b) § 63.11517(b)(1) § 63.11517(b)(2) § 63.11517(b)(3) § 63.11517(b)(4)	[G]§ 63.11519(c)(1) § 63.11519(c)(13) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4) [G]§ 63.11519(b)(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)
						which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in paragraph (a)(3) of this section.			
DSLOAD	EU	1115-DSLOAD	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
DSTANK	EU	R5112	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
FAB WELD 1	EU	63XXXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f) § 63.11516(f)(1) [G]§ 63.11516(f)(2)	If you own or operate a new or existing welding affected source, you must comply with the requirements in paragraphs (f)(1) and (2) of this section for each welding operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP.	None	§ 63.11516(f)(1) [G]§ 63.11519(c)(1) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(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)
FAB WELD 1	EU	63XXXXXX X	PM(OP)	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f)(3) § 63.11516(f) § 63.11516(f)(1) § 63.11516(f)(4) § 63.11516(f)(5) § 63.11516(f)(6) § 63.11516(f)(7) § 63.11516(f)(7)(ii) § 63.11516(f)(8) [G]§ 63.11516(f)(8)(i)	You must perform visual determinations of welding fugitive emissions as specified in §63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.	§ 63.11516(f)(3) § 63.11516(f)(4)(i) § 63.11516(f)(5)(i) § 63.11516(f)(5)(ii) § 63.11516(f)(6) § 63.11516(f)(7)(iii) [G]§ 63.11517	§ 63.11516(f)(1) § 63.11516(f)(3) § 63.11516(f)(5)(iii) § 63.11516(f)(7)(iv) § 63.11516(f)(7)(v) § 63.11516(f)(8)(iii) [G]§ 63.11519(c)(1) § 63.11519(c)(11) § 63.11519(c)(12) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	§ 63.11516(f)(4)(ii) § 63.11516(f)(5)(iv) § 63.11516(f)(7)(i) § 63.11516(f)(7)(v) § 63.11516(f)(8)(ii) [G]§ 63.11519(a) [G]§ 63.11519(b)
HYDLOAD	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
HYDTANK	EU	R5112	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
SEP	EU	115-SEP	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None

Applicable Requirements Summary

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						equipment is exempt from §115.132(a).			
W WELD 1	EU	63XXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f) § 63.11516(f)(1) [G]§ 63.11516(f)(2)	If you own or operate a new or existing welding affected source, you must comply with the requirements in paragraphs (f)(1) and (2) of this section for each welding operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP.	None	§ 63.11516(f)(1) [G]§ 63.11519(c)(1) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4)
W WELD 1	EU	63XXXXX X	PM(OP)	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f)(3) § 63.11516(f) § 63.11516(f)(1) § 63.11516(f)(4) § 63.11516(f)(5) § 63.11516(f)(6) § 63.11516(f)(7) § 63.11516(f)(7)(ii) § 63.11516(f)(8) [G]§ 63.11516(f)(8)(i)	You must perform visual determinations of welding fugitive emissions as specified in §63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.	§ 63.11516(f)(3) § 63.11516(f)(4)(i) § 63.11516(f)(5)(i) § 63.11516(f)(5)(ii) § 63.11516(f)(6) § 63.11516(f)(7)(iii) [G]§ 63.11517	§ 63.11516(f)(1) § 63.11516(f)(3) § 63.11516(f)(5)(iii) § 63.11516(f)(7)(iv) § 63.11516(f)(7)(v) § 63.11516(f)(8)(iii) [G]§ 63.11519(c)(1) § 63.11519(c)(11) § 63.11519(c)(12) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	§ 63.11516(f)(4)(ii) § 63.11516(f)(5)(iv) § 63.11516(f)(7)(i) § 63.11516(f)(7)(v) § 63.11516(f)(8)(ii) [G]§ 63.11519(a) [G]§ 63.11519(b)
W WELD 2	EU	63XXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f) § 63.11516(f)(1) [G]§ 63.11516(f)(2)	If you own or operate a new or existing welding affected source, you must comply with the requirements in paragraphs (f)(1) and (2) of this section for each welding operation that uses	None	§ 63.11516(f)(1) [G]§ 63.11519(c)(1) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(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)
						materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP.			
W WELD 2	EU	63XXXXX X	PM(OP)	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f)(3) § 63.11516(f) § 63.11516(f)(1) § 63.11516(f)(4) § 63.11516(f)(5) § 63.11516(f)(6) § 63.11516(f)(7) § 63.11516(f)(7)(ii) § 63.11516(f)(8) [G]§ 63.11516(f)(8)(i)	You must perform visual determinations of welding fugitive emissions as specified in §63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.	§ 63.11516(f)(3) § 63.11516(f)(4)(i) § 63.11516(f)(5)(i) § 63.11516(f)(5)(ii) § 63.11516(f)(6) § 63.11516(f)(7)(iii) [G]§ 63.11517	§ 63.11516(f)(1) § 63.11516(f)(3) § 63.11516(f)(5)(iii) § 63.11516(f)(7)(iv) § 63.11516(f)(7)(v) § 63.11516(f)(8)(iii) [G]§ 63.11519(c)(1) § 63.11519(c)(11) § 63.11519(c)(12) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	§ 63.11516(f)(4)(ii) § 63.11516(f)(5)(iv) § 63.11516(f)(7)(i) § 63.11516(f)(7)(v) § 63.11516(f)(8)(ii) [G]§ 63.11519(a) [G]§ 63.11519(b)
W WELD 3	EU	63XXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f) § 63.11516(f)(1) [G]§ 63.11516(f)(2)	If you own or operate a new or existing welding affected source, you must comply with the requirements in paragraphs (f)(1) and (2) of this section for each welding operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP.	None	§ 63.11516(f)(1) [G]§ 63.11519(c)(1) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4)
W WELD 3	EU	63XXXXX X	PM(OP)	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f)(3) § 63.11516(f) § 63.11516(f)(1)	You must perform visual determinations of welding fugitive emissions as	§ 63.11516(f)(3) § 63.11516(f)(4)(i) § 63.11516(f)(5)(i)	§ 63.11516(f)(1) § 63.11516(f)(3) § 63.11516(f)(5)(iii)	§ 63.11516(f)(4)(ii) § 63.11516(f)(5)(iv) § 63.11516(f)(7)(i)

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)
					§ 63.11516(f)(4) § 63.11516(f)(5) § 63.11516(f)(6) § 63.11516(f)(7) § 63.11516(f)(7)(ii) § 63.11516(f)(8) [G]§ 63.11516(f)(8)(i)	specified in §63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.	§ 63.11516(f)(5)(ii) § 63.11516(f)(6) § 63.11516(f)(7)(iii) [G]§ 63.11517	§ 63.11516(f)(7)(iv) § 63.11516(f)(7)(v) § 63.11516(f)(8)(iii) [G]§ 63.11519(c)(1) § 63.11519(c)(11) § 63.11519(c)(12) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	§ 63.11516(f)(7)(v) § 63.11516(f)(8)(ii) [G]§ 63.11519(a) [G]§ 63.11519(b)
WA GRIND 2	EU	63XXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(c) § 63.11516(c)(1) [G]§ 63.11516(c)(2)	If you own or operate a new or existing dry grinding and dry polishing with machines affected source, you must comply with the requirements of paragraphs (c)(1) and (2) of this section for each dry grinding and dry polishing with machines operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when dry grinding and dry polishing operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.	§ 63.11517(a) § 63.11517(b) § 63.11517(b)(1) § 63.11517(b)(2) § 63.11517(b)(3) § 63.11517(b)(4)	[G]§ 63.11519(c)(1) § 63.11519(c)(13) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4) [G]§ 63.11519(b)(5)
WA WELD1	EU	63XXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f) § 63.11516(f)(1)	If you own or operate a new or existing welding affected	None	§ 63.11516(f)(1) [G]§ 63.11519(c)(1)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2)

Applicable Requirements Summary

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					[G]§ 63.11516(f)(2)	source, you must comply with the requirements in paragraphs (f)(1) and (2) of this section for each welding operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP.		§ 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) § 63.11519(c)(4)	§ 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4)
WA WELD1	EU	63XXXXXX X	PM(OP)	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(f)(3) § 63.11516(f) § 63.11516(f)(1) § 63.11516(f)(4) § 63.11516(f)(5) § 63.11516(f)(6) § 63.11516(f)(7) § 63.11516(f)(7)(ii) § 63.11516(f)(8) [G]§ 63.11516(f)(8)(i)	You must perform visual determinations of welding fugitive emissions as specified in §63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.	§ 63.11516(f)(3) § 63.11516(f)(4)(i) § 63.11516(f)(5)(i) § 63.11516(f)(5)(ii) § 63.11516(f)(6) § 63.11516(f)(7)(iii) [G]§ 63.11517	§ 63.11516(f)(1) § 63.11516(f)(3) § 63.11516(f)(5)(iii) § 63.11516(f)(7)(iv) § 63.11516(f)(7)(v) § 63.11516(f)(8)(iii) [G]§ 63.11519(c)(1) § 63.11519(c)(11) § 63.11519(c)(12) § 63.11519(c)(13) § 63.11519(c)(14) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	§ 63.11516(f)(4)(ii) § 63.11516(f)(5)(iv) § 63.11516(f)(7)(i) § 63.11516(f)(7)(v) § 63.11516(f)(8)(ii) [G]§ 63.11519(a) [G]§ 63.11519(b)
WR GRIND 1	EU	63XXXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(c) § 63.11516(c)(1) [G]§ 63.11516(c)(2)	If you own or operate a new or existing dry grinding and dry polishing with machines affected source, you must comply with the requirements of paragraphs (c)(1) and (2) of this section for each dry grinding and dry polishing with machines operation that uses materials that contain MFHAP, as defined in	§ 63.11517(a) § 63.11517(b) § 63.11517(b)(1) § 63.11517(b)(2) § 63.11517(b)(3) § 63.11517(b)(4)	[G]§ 63.11519(c)(1) § 63.11519(c)(13) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4) [G]§ 63.11519(b)(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)
						§63.11522, “What definitions apply to this subpart?”, or has the potential to emit MFHAP. These requirements do not apply when dry grinding and dry polishing operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.			
WS GRIND 1	EU	63XXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(c) § 63.11516(c)(1) [G]§ 63.11516(c)(2)	If you own or operate a new or existing dry grinding and dry polishing with machines affected source, you must comply with the requirements of paragraphs (c)(1) and (2) of this section for each dry grinding and dry polishing with machines operation that uses materials that contain MFHAP, as defined in §63.11522, “What definitions apply to this subpart?”, or has the potential to emit MFHAP. These requirements do not apply when dry grinding and dry polishing operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.	§ 63.11517(a) § 63.11517(b) § 63.11517(b)(1) § 63.11517(b)(2) § 63.11517(b)(3) § 63.11517(b)(4)	[G]§ 63.11519(c)(1) § 63.11519(c)(13) [G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2) § 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4) [G]§ 63.11519(b)(5)
WS GRIND 2	EU	63XXXXX X	MFHAP	40 CFR Part 63, Subpart XXXXXX	§ 63.11516(c) § 63.11516(c)(1)	If you own or operate a new or existing dry grinding and	§ 63.11517(a) § 63.11517(b)	[G]§ 63.11519(c)(1) § 63.11519(c)(13)	[G]§ 63.11519(a)(1) [G]§ 63.11519(a)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.11516(c)(2)	dry polishing with machines affected source, you must comply with the requirements of paragraphs (c)(1) and (2) of this section for each dry grinding and dry polishing with machines operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when dry grinding and dry polishing operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.	§ 63.11517(b)(1) § 63.11517(b)(2) § 63.11517(b)(3) § 63.11517(b)(4)	[G]§ 63.11519(c)(15) [G]§ 63.11519(c)(2) [G]§ 63.11519(c)(3) § 63.11519(c)(4)	§ 63.11519(b)(1) [G]§ 63.11519(b)(2) [G]§ 63.11519(b)(3) [G]§ 63.11519(b)(4) [G]§ 63.11519(b)(5)

Permit Shield

Permit Shield30

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
2101	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2102	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rate capacity less than 20 MMBtu/hr.
2103	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2104	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2105	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2107	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2203	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2204	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2205	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2301	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2302	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			than 20 MMBtu/hr.
2401	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2402	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2501	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2502	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2503	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2504	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2505	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2506	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2507	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.
2508	N/A	30 TAC Chapter 117, Subchapter B	Heat treat furnace with rated capacity less than 20 MMBtu/hr.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
2509	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
2510	N/A	30 TAC Chapter 117, Subchapter B	Reheat furnace with rated capacity less than 20 MMBtu/hr.
DSTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 75 cubic meters (20,000 gallons).
HYDTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 75 cubic meters (20,000 gallons).

New Source Review Authorization References

New Source Review Authorization References 34

New Source Review Authorization References by Emission Unit..... 35

New Source Review Authorization References

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

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 40256	Issuance Date: 04/17/2009
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 102	Version No./Date: 11/05/1986
Number: 102	Version No./Date: 05/04/1994

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
2101	REHEAT FURNANCE 2101	40256
2102	REHEAT FURNANCE 2102	40256
2103	REHEAT FURNACE 2103	40256
2104	REHEAT FURNACE 2104	40256
2105	REHEAT FURNACE 2105	40256
2107	HEAT TREAT FURNACE 2107	40256
2202	FURNACE 2202	40256
2203	REHEAT FURNACE 2203	40256
2204	REHEAT FURNACE 2204	40256
2205	REHEAT FURNACE 2205	40256
2301	REHEAT FURNACE 2301	40256
2302	REHEAT FURNACE 2302	40256
2401	REHEAT FURNACE 2401	40256
2402	REHEAT FURNACE 2402	40256
2501	HEAT TREAT FURNACE 2501	40256
2502	HEAT TREAT FURNACE 2502	40256
2503	HEAT TREAT FURNACE 2503	40256
2504	HEAT TREAT FURNACE 2504	40256

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
2505	HEAT TREAT FURNACE 2505	40256
2506	HEAT TREAT FURNACE 2506	40256
2507	HEAT TREAT FURNACE 2507	40256
2508	HEAT TREAT FURNACE 2508	40256
2509	REHAT FURNACE	40256
2510	REHEAT FURNACE 2510	40256
BLAST 1	WEST TABLE BLAST 1	106.452/09/04/2000
BLAST 2	WEST TABLE BLAST 2	106.452/09/04/2000
BLAST 3	WEST PASS THROUGH SHOP BLAST	106.452/09/04/2000
DSLOAD	DIESEL UNLOADING OPERATIONS	40256, 106.473/03/14/1997
DSTANK	DIESEL TANK	40256
FAB WELD 1	FABRICATION WELDING 1	106.227/09/04/2000
HYDLOAD	HYDRAULIC OIL UNLOADING OPERATIONS	106.473/03/14/1997
HYDTANK	HYDRAULIC OIL TANK	106.473/03/14/1997
SEP	OIL/WATER SEPARATOR	40256
W WELD 1	WEST WELDING 1	106.227/09/04/2000
W WELD 2	WEST WELDING 2	106.227/09/04/2000
W WELD 3	WEST WELDING 3	106.227/09/04/2000

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
WA GRIND 2	WEST - NEW AUTO GRINDER	106.265/09/04/2000
WA WELD 1	WEST AUTO WELDER 1	106.227/09/04/2000
WR GRIND 1	WEST ROBOT GRINDER	106.265/09/04/2000
WS GRIND 1	WEST SWING GRINDER 1	106.265/09/04/2000
WS GRIND 2	WEST SWING GRINDER 2	106.265/09/04/2000

Appendix A

Acronym List 39

Acronym List

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

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