

**STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
TITLE V PERMIT**

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Nucor Steel Jackson, Inc.
3630 4th Street
Flowood, Mississippi
(Rankin County)

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with Title V of the Federal Clean Air Act (42 U.S.C.A. § 7401 - 7671) and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Permit Issued: SEP 18 2014

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD



AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Expires: August 31, 2019

Permit No.: 2380-00003

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SECTION 1. GENERAL CONDITIONS

- 1.1 The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Federal Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(a).)
- 1.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(b).)
- 1.3 This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(c).)
- 1.4 This permit does not convey any property rights of any sort, or any exclusive privilege. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(d).)
- 1.5 The permittee shall furnish to the DEQ within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permittee or, for information to be confidential, the permittee shall furnish such records to DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(e).)
- 1.6 The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(5).)
- 1.7 The permittee shall pay to the DEQ an annual permit fee. The amount of fee shall be determined each year based on the provisions of regulated pollutants for fee purposes and the fee schedule specified in the Commission on Environmental Quality's order which shall be issued in accordance with the procedure outlined in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6.)
 - (a) For purposes of fee assessment and collection, the permittee shall elect for actual or allowable emissions to be used in determining the annual quantity of emissions unless the Commission determines by order that the method chosen by the applicant for calculating actual emissions fails to reasonably represent actual emissions. Actual

emissions shall be calculated using emission monitoring data or direct emissions measurements for the pollutant(s); mass balance calculations such as the amounts of the pollutant(s) entering and leaving process equipment and where mass balance calculations can be supported by direct measurement of process parameters, such direct measurement data shall be supplied; published emission factors such as those relating release quantities to throughput or equipment type (e.g., air emission factors); or other approaches such as engineering calculations (e.g., estimating volatilization using published mathematical formulas) or best engineering judgments where such judgments are derived from process and/or emission data which supports the estimates of maximum actual emission. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).)

- (b) If the Commission determines that there is not sufficient information available on a facility's emissions, the determination of the fee shall be based upon the permitted allowable emissions until such time as an adequate determination of actual emissions is made. Such determination may be made anytime within one year of the submittal of actual emissions data by the permittee. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).) If at any time within the year the Commission determines that the information submitted by the permittee on actual emissions is insufficient or incorrect, the permittee will be notified of the deficiencies and the adjusted fee schedule. Past due fees from the adjusted fee schedule will be paid on the next scheduled quarterly payment time. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D(2).)
 - (c) The fee shall be due September 1 of each year. By July 1 of each year the permittee shall submit an inventory of emissions for the previous year on which the fee is to be assessed. The permittee may elect a quarterly payment method of four (4) equal payments; notification of the election of quarterly payments must be made to the DEQ by the first payment date of September 1. The permittee shall be liable for penalty as prescribed by State Law for failure to pay the fee or quarterly portion thereof by the date due. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D.)
 - (d) If in disagreement with the calculation or applicability of the Title V permit fee, the permittee may petition the Commission in writing for a hearing in accordance with State Law. Any disputed portion of the fee for which a hearing has been requested will not incur any penalty or interest from and after the receipt by the Commission of the hearing petition. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.C.)
- 1.8 No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(8).)
- 1.9 Any document required by this permit to be submitted to the DEQ shall contain a certification by a responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.2.E.)

- 1.10 The permittee shall allow the DEQ, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to perform the following:
- (a) enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - (b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - (c) inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (d) as authorized by the Federal Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(2).)
- 1.11 Except as otherwise specified or limited herein, the permittee shall have necessary sampling ports and ease of accessibility for any new air pollution control equipment, obtained after May 8, 1970, and vented to the atmosphere. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(1).)
- 1.12 Except as otherwise specified or limited herein, the permittee shall provide the necessary sampling ports and ease of accessibility when deemed necessary by the Permit Board for air pollution control equipment that was in existence prior to May 8, 1970. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(2).)
- 1.13 Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance where such applicable requirements are included and are specifically identified in the permit or where the permit contains a determination, or summary thereof, by the Permit Board that requirements specifically identified previously are not applicable to the source. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(1).)
- 1.14 Nothing in this permit shall alter or affect the following:
- (a) the provisions of Section 303 of the Federal Act (emergency orders), including the authority of the Administrator under that section;
 - (b) the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - (c) the applicable requirements of the acid rain program, consistent with Section 408(a) of the Federal Act.

- (d) the ability of EPA to obtain information from a source pursuant to Section 114 of the Federal Act. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(2).)
- 1.15 The permittee shall comply with the requirement to register a Risk Management Plan if permittee's facility is required pursuant to Section 112(r) of the Act to register such a plan. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.H.)
- 1.16 Expiration of this permit terminates the permittee's right to operate unless a timely and complete renewal application has been submitted. A timely application is one which is submitted at least six (6) months prior to expiration of the Title V permit. If the permittee submits a timely and complete application, the failure to have a Title V permit is not a violation of regulations until the Permit Board takes final action on the permit application. This protection shall cease to apply if, subsequent to the completeness determination, the permittee fails to submit by the deadline specified in writing by the DEQ any additional information identified as being needed to process the application. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.C(2)., R. 6.4.B., and R. 6.2.A(1)(c).)
- 1.17 The permittee is authorized to make changes within their facility without requiring a permit revision (ref: Section 502(b)(10) of the Act) if:
 - (a) the changes are not modifications under any provision of Title I of the Act;
 - (b) the changes do not exceed the emissions allowable under this permit;
 - (c) the permittee provides the Administrator and the Department with written notification in advance of the proposed changes (at least seven (7) days, or such other time frame as provided in other regulations for emergencies) and the notification includes:
 - (1) a brief description of the change(s),
 - (2) the date on which the change will occur,
 - (3) any change in emissions, and
 - (4) any permit term or condition that is no longer applicable as a result of the change;
 - (d) the permit shield shall not apply to any Section 502(b)(10) change. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.F(1).)
- 1.18 Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule or, in the absence of an approved schedule, with the appropriate requirements specified in 11

Miss. Admin. Code Pt. 2, Ch. 3., "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared. (Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 3.)

- 1.19 Except as otherwise provided herein, a modification of the facility may require a Permit to Construct in accordance with the provisions of Regulations 11 Miss. Admin. Code Pt. 2, Ch. 2., "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment", and may require modification of this permit in accordance with Regulations 11 Miss. Admin. Code Pt. 2, Ch. 6., "Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act". Modification is defined as "[a]ny physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:
- (a) routine maintenance, repair, and replacement;
 - (b) use of an alternative fuel or raw material by reason of an order under Sections 2 (a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;
 - (c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;
 - (d) use of an alternative fuel or raw material by a stationary source which:
 - (1) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or
 - (2) the source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166;
 - (e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or
 - (f) any change in ownership of the stationary source."

- 1.20 Any change in ownership or operational control must be approved by the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.D(4).)

- 1.21 This permit is a Federally approved operating permit under Title V of the Federal Clean Air Act as amended in 1990. All terms and conditions, including any designed to limit the source's potential to emit, are enforceable by the Administrator and citizens under the Federal Act as well as the Commission. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.B(1).)
- 1.22 Except as otherwise specified or limited herein, the open burning of residential, commercial, institutional, or industrial solid waste, is prohibited. This prohibition does not apply to infrequent burning of agricultural wastes in the field, silvicultural wastes for forest management purposes, land-clearing debris, debris from emergency clean-up operations, and ordnance. Open burning of land-clearing debris must not use starter or auxiliary fuels which cause excessive smoke (rubber tires, plastics, etc.); must not be performed if prohibited by local ordinances; must not cause a traffic hazard; must not take place where there is a High Fire Danger Alert declared by the Mississippi Forestry Commission or Emergency Air Pollution Episode Alert imposed by the Executive Director and must meet the following buffer zones.
- (a) Open burning without a forced-draft air system must not occur within 500 yards of an occupied dwelling.
 - (b) Open burning utilizing a forced-draft air system on all fires to improve the combustion rate and reduce smoke may be done within 500 yards of but not within 50 yards of an occupied dwelling.
 - (c) Burning must not occur within 500 yards of commercial airport property, private air fields, or marked off-runway aircraft approach corridors unless written approval to conduct burning is secured from the proper airport authority, owner or operator. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.G.)
- 1.23 Except as otherwise specified herein, the permittee shall be subject to the following provision with respect to emergencies.
- (a) Except as otherwise specified herein, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
 - (b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.

- (c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:
 - (1) an emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - (2) the permitted facility was at the time being properly operated;
 - (3) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - (4) the permittee submitted notice of the emergency to the DEQ within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
 - (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.G.)
- 1.24 Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, shutdowns and maintenance.
- (a) Upsets (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.KK.)
 - (1) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:
 - (i) an upset occurred and that the permittee can identify the cause(s) of the upset;
 - (ii) the source was at the time being properly operated;
 - (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit;

- (iv) the permittee submitted notice of the upset to the DEQ within 5 working days of the time the upset began; and
 - (v) the notice of the upset shall contain a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.
 - (2) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
 - (3) This provision is in addition to any upset provision contained in any applicable requirement.
- (b) Startups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.HH. & R. 1.2.CC.)
 - (1) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows:
 - (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above;
 - (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or
 - (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.
 - (2) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.
 - (3) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply.
- (c) Maintenance.
 - (1) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent

or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following:

- (i) the permittee can identify the need for the maintenance;
 - (ii) the source was at the time being properly operated;
 - (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit;
 - (iv) the permittee submitted notice of the maintenance to the DEQ within 5 working days of the time the maintenance began or such other times as allowed by DEQ; and
 - (v) the notice shall contain a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.
- (2) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.
- (3) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

- 1.25 The permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements of 40 CFR Part 61, Subpart M, as adopted by reference in Regulation 11 Miss Admin. Code Pt. 2, R. 1.8. The permittee shall not be required to obtain a modification of this permit in order to perform the referenced activities.

SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AB-000	Melt Shop Operations (including fugitive emissions)
AB-001 (Ref. AA-003 & E3)	400,000 cfm Baghouse controlling emissions from the Electric Arc Furnace, equipped with an Oxygen-Carbon Injection system and a Bottom Tap system, which has the capability to process either metallurgical carbon or waste tire carbon, for a total capacity of 550,000 tons of liquid steel per year.
AB-002 (Ref. AA-002 & E2)	360,000 cfm Baghouse controlling emissions from the Continuous Three Strand, Curved Mold Billet Caster and Electric Arc Furnace
AC-000	Dust Handling/Transfer Operation Silo
AD-000	Rolling Mill Operations
AD-001 (Ref. AA-001 & E1)	140 MMBTU/hr Natural Gas-fired Billet Reheat Furnace
AD-002 (Ref. AA-006 & E6)	Rolling Mill Operations including fugitive emissions.
AE-000	Plant-wide Traffic Fugitive Emissions
AF-000	General Recycling Operations
AF-001 (Ref. AA-008 & E8)	Dry Cyclone controlling emissions from the Scrap Shredder Discharge Belt and from the "Z" Drop.
AG-000	Scrap Handling (located adjacent to the Melt Shop)

SECTION 3. EMISSION LIMITATIONS AND STANDARDS

A. Facility-Wide Emission Limitations and Standards

- 3.A.1 Except as otherwise specified or limited herein, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) & (b).
- (a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period.
 - (b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)
- 3.A.2 Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Condition 3.A.1 of the federally enforceable permit herein. This shall not apply to vision obscuration caused by uncombined water droplets. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.B.)

B. Emission Point Specific Limitations and Standards

Emission Point	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
AB-000 <i>(Melt Shop)</i>	40 CFR Part 60.272a	3.B.1	Opacity	6%
AB-001 and AB-002 <i>(Electric Arc Furnace & Billet Caster)</i>	40 CFR Part 60.272a and 40 CFR Part 64.2(a)	3.B.2	Opacity	3%
	PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 64.2(a)	3.B.3	Lead	0.12 ton/yr – (Combined limit for AB-001 & AB-002)
		3.B.4	PM/PM ₁₀ /PM _{2.5}	36.1 ton/yr – (Combined limit for AB-001 & AB-002)
		3.B.5		0.0018 gr/dscf (each); (BACT for AB-001 & AB-002)
	PSD Construction Permit Issued December 9, 2008	3.B.6	SO ₂	0.2323 lb/ton of liquid steel, 16.22 lb/hr, and 63.24 ton/yr – (Combined limits for AB-001 & AB-002)
		3.B.7	CO	2.141 lb/ton of liquid steel, 149.47 lb/hr, and 582.95 ton/yr – (Combined limits for AB-001 & AB-002)
		3.B.8	VOC	0.2323 lb/ton of liquid steel, 16.22 lb/hr, and 63.24 ton/yr – (Combined limits for AB-001 & AB-002)
	PSD Construction Permit Issued December 9, 2008	3.B.9	NO _x	0.27 lb/ton of liquid steel (BACT), 16.95 lb/hr, and 74.24 ton/yr – (Combined limits for AB-001 & AB-002)
	40 CFR Part 63, Subpart YYYYY	3.B.10	HAP	40 CFR Part 63.10680 and 63.10690(a)
AB-000 and AC-000 <i>(Melt Shop & Dust Handling)</i>	40 CFR Part 60, Subpart A	3.B.11	Applicability	40 CFR Part 60.1(a), (b), and (c)
	40 CFR Part 60, Subpart AAa	3.B.12	Applicability	40 CFR Part 60.270a(a) and (b)

Emission Point	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
AC-000 (Dust Handling)	PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 60.272a	3.B.13	Opacity	10%
AD-001 (Billet Reheat Furnace)	Construction Permit Issued August 13, 1991	3.B.14	SO ₂	0.50 ton/yr
		3.B.15	CO	24.5 ton/yr
		3.B.16	VOC	3.42 ton/yr
		3.B.17	PM/PM ₁₀ /PM _{2.5}	3.10 ton/yr
		3.B.18	NO _x	162.5 ton/yr
AE-000 (Traffic Related Fugitives)	PSD Construction Permit Issued December 9, 2008	3.B.19	PM/PM ₁₀ /PM _{2.5}	BACT: Use of Wetting Agents
AF-000 (General Recycling)	Construction Permit Issued August 13, 1991 and 40 CFR Part 64.2(a)	3.B.20	PM/PM ₁₀ /PM _{2.5}	$E = 4.1(p)^{0.67}$
AG-000 (Scrap Handling)	PSD Construction Permit Issued December 9, 2008	3.B.21	PM/PM ₁₀ /PM _{2.5}	BACT: Limiting Drop Heights
Entire Facility	40 CFR Part 63, Subpart CCCCCC	3.B.22	Applicability	40 CFR 63.11111(a) and (b), and 63.11112(a) and (b)
		3.B.23	Management Practices	40 CFR 63.11115
		3.B.24	Throughput	40 CFR 63.11116

- 3.B.1 For Emission Point AB-000, the permittee shall limit Opacity to no more than 6% at any time exiting the Melt Shop. (Ref.: 40 CFR Part 60.272a)
- 3.B.2 For Emission Points AB-001 and AB-002, the permittee shall limit Opacity to no more than 3% at any time utilizing the Direct Evacuation Control System and Baghouse. (Ref.: 40 CFR Part 60.272a and 40 CFR Part 64.2(a))
- 3.B.3 For Emission Points AB-001 and AB-002, the permittee shall limit the combined Lead emissions to no more than 0.12 tons per year as determined for each consecutive 12-month period. (Ref.: PSD Construction Permit Issued December 9, 2008)

- 3.B.4 For Emission Points AB-001 and AB-002, the permittee shall limit the combined Particulate Matter (includes PM₁₀ and PM_{2.5}) emissions to no more than 36.1 tons per year, rolled monthly, determined for each consecutive 12-month period. (Ref.: PSD Construction Permit Issued December 9, 2008)
- 3.B.5 For Emission Points AB-001 and AB-002, the permittee shall limit Particulate Matter (includes PM₁₀ and PM_{2.5}) emissions to no more than 0.0018 grains per dry standard cubic feet (each) utilizing the Direct Evacuation Control System and Fabric Filter Baghouse. (BACT for AB-001 for PM/PM₁₀/PM_{2.5}) (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 64.2(a))
- 3.B.6 For Emission Points AB-001 and AB-002, the permittee shall limit the combined Sulfur Dioxide emissions to no more than 0.2323 pounds per ton of liquid steel per thirteen (13) week period, rolled weekly, 16.22 pounds per hour on a seven (7) day average, rolled hourly, and 63.24 tons per year, rolled monthly, determined for each consecutive 12-month period. (Ref.: PSD Construction Permit Issued December 9, 2008)
- 3.B.7 For Emission Points AB-001 and AB-002, the permittee shall limit the combined Carbon Monoxide emissions to no more than 2.141 pounds per ton of liquid steel per thirteen (13) week period, rolled weekly, 149.47 pounds per hour on a seven (7) day average, rolled hourly, and 582.95 tons per year, rolled monthly, determined for each consecutive 12-month period. (Ref.: PSD Construction Permit Issued December 9, 2008)
- 3.B.8 For Emission Points AB-001 and AB-002, the permittee shall limit the combined Volatile Organic Compound emissions to no more than 0.2323 pounds per ton of liquid steel per thirteen (13) week period, rolled weekly, 16.22 pounds per hour, rolled monthly, and 63.24 tons per year, rolled monthly, determined for each consecutive 12-month period. (Ref.: PSD Construction Permit Issued December 9, 2008)
- 3.B.9 For Emission Points AB-001 and AB-002, combined, the permittee shall limit Nitrogen Oxide emissions to no more than 0.27 pounds per ton of liquid steel per thirteen (13) week period, rolled weekly (BACT for NO_x), 16.95 pounds per hour, on a seven (7) day average, rolled hourly, and 74.24 tons per year, rolled monthly, determined for each consecutive 12-month period. (Ref.: PSD Construction Permit Issued December 9, 2008)
- 3.B.10 For Emission Points AB-001 and AB-002, the permittee is subject to and shall comply with the applicable provisions of 40 CFR Part 63, Subpart YYYYYY – National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Furnaces. (Ref.: 40 CFR 63.10680 and 63.10690(a))
- 3.B.11 For Emission Points AB-000 and AC-000, the permittee is subject to and shall comply with 40 CFR Part 60, Subpart A – General Provisions. (Ref.: 40 CFR 60.1(a), (b), and (c))

- 3.B.12 For Emission Points AB-000 and AC-000, the permittee is subject to and shall comply with 40 CFR Part 60, Subpart AAa – Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983. (Ref.: 40 CFR 60.270a(a) and (b))
- 3.B.13 For Emission Point AC-000, the permittee shall limit Opacity to no more than 10% at any time as determined by 40 CFR Part 60, Subpart AAa. (Ref.: PSD Construction Permit Issued December 9, 2009 and 40 CFR 60.272a)
- 3.B.14 For Emission Point AD-001, the permittee shall limit Sulfur Dioxide emissions to no more than 0.50 tons per year as determined for each consecutive 12-month period. (Ref.: Construction Permit Issued August 13, 1991)
- 3.B.15 For Emission Point AD-001, the permittee shall limit Carbon Monoxide emissions to no more than 24.5 tons per year as determined for each consecutive 12-month period. (Ref.: Construction Permit Issued August 13, 1991)
- 3.B.16 For Emission Point AD-001, the permittee shall limit Volatile Organic Compound emissions to no more than 3.42 tons per year as determined for each consecutive 12-month period. (Ref.: Construction Permit Issued August 13, 1991)
- 3.B.17 For Emission Point AD-001, the permittee shall limit Particulate Matter (includes PM₁₀ and PM_{2.5}) emissions to no more than 3.10 tons per year. (Ref.: Construction Permit Issued August 13, 1991)
- 3.B.18 For Emission Point AD-001, the permittee shall limit Nitrogen Oxide emissions to no more than 162.5 tons per year. (Ref.: Construction Permit Issued August 13, 1991)
- 3.B.19 For Emission Point AE-000, the permittee shall limit Particulate Matter (includes PM₁₀ and PM_{2.5}) by use of wetting agents. (Ref.: PSD Construction Permit Issued December 9, 2008)
- 3.B.20 For Emission Point AF-000, the permittee shall not have emissions of particulate matter, in any one hour, in total quantities in excess of the amount determined by the relationship $E = 4.1(p)^{0.67}$, where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour. (Ref.: Construction Permit Issued August 13, 1991, and 40 CFR 64.2(a))
- 3.B.21 For Emission Point AG-000, the permittee shall limit Particulate Matter (includes PM₁₀ and PM_{2.5}) by limiting the drop heights. (BACT for PM/PM₁₀/PM_{2.5}) (Ref.: PSD Construction Permit Issued December 9, 2008)
- 3.B.22 For the entire facility, the permittee is subject to and shall comply with 40 CFR Part 63, Subpart CCCCCC – National Emission Standard for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities. (Ref.: 40 CFR 63.11111(a) and (b))

- 3.B.23 The permittee shall, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the MDEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. As applicable, the permittee shall keep records and submit reports in accordance with 40 CFR 63.11125(d) and 63.11126(b). (See Conditions 5.B.24 and 5.C.11 of the federally enforceable permit herein.) (Ref.: 40 CFR 63.11115)
- 3.B.24 For the entire facility, specifically gasoline tanks with a monthly throughput of less than 10,000 gallons, the permittee shall comply with the following requirements:
- (a) Shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
 - (1) Minimize gasoline spills;
 - (2) Clean up spills as expeditiously as practicable;
 - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
 - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
 - (b) Shall not be required to submit notifications or reports as specified in 40 CFR 63.11125, 63.11126, or subpart A of this part, but shall have records available within 24 hours of a request by the MDEQ to document the permittee's gasoline throughput. (See Condition 5.B.23 of the federally enforceable permit herein.)
 - (c) Portable gasoline containers that meet the requirements of 40 CFR Part 59, Subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.

(Ref.: 40 CFR 63.11116)

C. Insignificant and Trivial Activity Emission Limitations and Standards

Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.C.1 & 1.19	PM/PM ₁₀ /PM _{2.5}	0.6 lbs/MMBTU or as otherwise limited by facility modification restrictions
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2 & 1.19	SO ₂	4.8 lbs/MMBTU or as otherwise limited by facility modification restrictions

- 3.C.1 The maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R.1.3.D(1)(a).)
- 3.C.2 The maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R.1.4.A(1).)

SECTION 4. COMPLIANCE SCHEDULE

- 4.1 Unless otherwise specified herein, the permittee shall be in compliance with all requirements contained herein upon issuance of this permit.
- 4.2 Except as otherwise specified herein, the permittee shall submit to the Permit Board and to the Administrator of EPA Region IV a certification of compliance with permit terms and conditions, including emission limitations, standards, or work practices, by January 31 for the preceding calendar year. Each compliance certification shall include the following:
- (a) the identification of each term or condition of the permit that is the basis of the certification;
 - (b) the compliance status;
 - (c) whether compliance was continuous or intermittent;
 - (d) the method(s) used for determining the compliance status of the source, currently and over the applicable reporting period;
 - (e) such other facts as may be specified as pertinent in specific conditions elsewhere in this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5)(a), (c), & (d).)

SECTION 5. MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

A. General Monitoring, Recordkeeping and Reporting Requirements

- 5.A.1 The permittee shall install, maintain, and operate equipment and/or institute procedures as necessary to perform the monitoring and recordkeeping specified below.
- 5.A.2 In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring information the following:
- (a) the date, place as defined in the permit, and time of sampling or measurements;
 - (b) the date(s) analyses were performed;
 - (c) the company or entity that performed the analyses;
 - (d) the analytical techniques or methods used;
 - (e) the results of such analyses; and
 - (f) the operating conditions existing at the time of sampling or measurement. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(1).)
- 5.A.3 Except as otherwise specified herein, the permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)
- 5.A.4 Except as otherwise specified herein, the permittee shall submit reports of any required monitoring by July 31 and January 31 for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 6.2.E. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)
- 5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) days of the time the deviation began. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2).)

- 5.A.6 Except as otherwise specified herein, the permittee shall perform emissions sampling and analysis in accordance with EPA Test Methods and with any continuous emission monitoring requirements, if applicable. All test methods shall be those versions or their equivalents approved by the DEQ and the EPA.
- 5.A.7 The permittee shall maintain records of any alterations, additions, or changes in equipment or operation.

B. Emission Point Specific Monitoring (Compliance/Performance) Requirements

Emission Point	Pollutant/ Parameter Monitored	Compliance Requirement	Condition Number	Applicable Requirement
AB-000 <i>(Melt Shop)</i>	Opacity	Shop Opacity VEM conducted at least once per day when furnace is operating in melting and refining period.	5.B.1	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.273a(d)
AB-001 &AB-002 <i>(Electric Arc Furnace & Billet Caster)</i>	SO₂	Development of operational ranges.	5.B.2	PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO			
	Lead			
	PM/PM₁₀/PM_{2.5}			
	NO_x			
	VOC			
AB-001 &AB-002	SO₂	Operation of Continuous Emission Monitoring System (CEMS)	5.B.3	PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO			
	NO_x			
	VOC	Annual stack/performance testing for demonstration of compliance with Condition 3.B.8 of the federally enforceable permit herein.		11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AB-001 &AB-002	Opacity	VEM conducted at least once per day when furnace is operating in melting and refining period.	5.B.4	PSD Construction Permit Issued December 9, 2008, 40 CFR 60.273a(c), and 40 CFR 64.3(a)
		Once per shift check and record of the fan motor amperes and damper position.	5.B.5	PSD Construction Permit Issued December 9, 2008, 40 CFR 60.274a(a)(2), and 40 CFR 60.274a(c)

Emission Point	Pollutant/ Parameter Monitored	Compliance Requirement	Condition Number	Applicable Requirement
AB-001 &AB-002	Preventative Maintenance	Monthly inspections and note any deficiencies.	5.B.6	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.274a(d)
	PM/PM ₁₀ /PM _{2.5}	Performance test method requirements.	5.B.7	PSD Construction Permit Issued December 9, 2008, 40 CFR 60.275a(e)(1), and 40 CFR 64.3(a)
		Testing Requirements	5.B.8	PSD Construction Permit Issued December 9, 2008, 40 CFR 60.274a(h), 40 CFR 60.8(b)(3) and (4), and 40 CFR 64.3(a)
	Performance Testing	Performance test monitoring.	5.B.9	PSD Construction Permit Issued December 9, 2008, 40 CFR 60.274a(h), and 40 CFR 64.3(a)
		Performance testing reference methods.	5.B.10	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.275a(d)
		Performance testing requirements.	5.B.11	PSD Construction Permit Issued December 9, 2008, 40 CFR 60.275a(e)(3) and (4)
		Performance test recordkeeping requirements.	5.B.12	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.275a(f)
		Performance test requirements for control device design.	5.B.13	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.275a(g)
		Performance testing during inclement weather.	5.B.14	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.275a(j)
	Recordkeeping	Records retention.	5.B.15	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.276a(a)
	Performance Test	Compliance with Condition 5.B.9 of the federally enforceable permit herein.	5.B.16	PSD Construction Permit Issued December 9, 2008 and 40 CFR 63.10686(d) and (e)

Emission Point	Pollutant/ Parameter Monitored	Compliance Requirement	Condition Number	Applicable Requirement
AB-001 &AB-002	Scrap Management Plan	Demonstration of compliance with 40 CFR Part 63, Subpart YYYYYY through development and implementation.	5.B.17	40 CFR 63.10685
AC-000 <i>(Dust Handling)</i>	Preventative Maintenance	Monthly inspections and note any deficiencies.	5.B.6	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.274a(d)
	PM/PM ₁₀ /PM _{2.5}	Maintain and implement the operation and maintenance (O&M) plan.	5.B.18	PSD Construction Permit Issued December 9, 2008
	Recordkeeping	Records retention.	5.B.15	PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.276a(a)
AD-001 <i>(Billet Reheat Furnace)</i>	SO ₂	Utilization of operational ranges.	5.B.19	Title V Permit to Operate Issued December 22, 2003 (modified August 16, 2004; May 15, 2007) and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO			
	VOC			
	PM/PM ₁₀ /PM _{2.5}			
	NO _x			
AE-000 <i>(Traffic Related Fugitives)</i>	PM/PM ₁₀ /PM _{2.5}	Maintain and implement the operation and maintenance (O&M) plan to demonstrate compliance with BACT.	5.B.20	PSD Construction Permit Issued December 9, 2008
AF-001 <i>(Shredder Cyclone)</i>	PM/PM ₁₀ /PM _{2.5}	Utilization of operational ranges.	5.B.21	Title V Permit to Operate Issued December 22, 2003 (modified August 16, 2004; May 15, 2007), 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)., and 40 CFR Part 64.3(a)
AG-000 <i>(Scrap Handling)</i>	PM/PM ₁₀ /PM _{2.5}	Development of good work practices.	5.B.22	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)., and 40 CFR 64.3(a)
Entire Facility	Throughput	Monitoring and records retention requirements.	5.B.23	40 CFR 63.11111(e)
	Malfunctions	Recordkeeping requirements.	5.B.24	40 CFR 63.11125(d)(1) and (2)

- 5.B.1 For Emission Point AB-000, the permittee shall conduct a shop opacity observation at least once per day when the furnace is operating in the meltdown and refining period by a certified visible emissions observer. The shop opacity shall be determined as the arithmetic average of 24 consecutive 15-second opacity observations of emissions from the shop taken in accordance with Method 9. Shop opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of visible emissions, only one observation of shop opacity will be required. In this case, the shop opacity observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident. The visible emission observation monitoring shall also serve as the method of compliance for complying with 40 CFR Part 64.3(a) and the specific Compliance Assurance Monitoring plan established in the permittee's application for which this permit has been based upon. Any visible emissions above 0% shall serve as an indicator. The permittee shall comply with the Quality Improvement Program Threshold and not exceed 10 excursions in any six-month period for those emission measurements made at the exhaust point. Method 9 will be the only accepted measurement approach unless circumstances such as those described in Condition 5.B.14 of the federally enforceable permit herein prevent otherwise. (Ref.: 40 CFR Part 60.273a(d))
- 5.B.2 For Emission Points AB-001 and AB-002, testing the modified EAF, the permittee shall utilize operational ranges developed to provide a reasonable assurance of compliance with Conditions 3.B.6, 3.B.7, and 3.B.8 of the federally enforceable permit herein. Operational ranges shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrate the proper operation of the equipment in compliance. Any visible emissions above 0% shall serve as an indicator. The permittee shall comply with the Quality Improvement Program Threshold and not exceed 10 excursions in any six-month period for those emission measurements made at the exhaust point. Method 9 will be the only accepted measurement approach unless circumstances such as those described in Condition 5.B.14 of the federally enforceable permit herein prevent otherwise. (Ref.: PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(3).)
- 5.B.3 For Emission Points AB-001 and AB-002, the permittee shall operate a Continuous Emission Monitoring System (CEMS) for monitoring the emissions of SO₂, CO, and NO_x according to the manufacturers design, specifications, and recommendations. The MDEQ may reopen the permit at any time to establish the necessary parameters for establishing the appropriate averaging period/time for optimum operation of the CEMS. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F, 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on each CEMS at least once every three (3) years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. (Ref.:

PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

For Emission Points AB-001 and AB-002, the permittee shall perform annual stack/performance testing for demonstrating compliance with combined VOC limits specified in Condition 3.B.8 of the federally enforceable permit herein. The permittee shall utilize EPA Reference Method 25A or an alternative EPA approved test method. During the performance test, the permittee shall monitor the following:

- (a) Charge weights and materials, tap weights, and materials;
- (b) Heat times, including start and stop times and a log of process operations, including periods of no operation during testing;
- (c) Control device operation log; and
- (d) Continuous monitor or Method 9 data.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.B.4 For Emission Points AB-001 and AB-002, the permittee shall perform visible emission monitoring by a certified visible emission observer as follows: Visible emission observations are conducted at least once per day when the furnace is operating in the melting and refining period. These observations shall be taken in accordance with Method 9, and, for at least three 6-minute periods, the opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of the visible emissions, only one set of three 6-minute observations will be required. In this case, Method 9 observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident. Records shall be maintained of any 6-minute average that is in excess of the emission limit specified in Condition 3.B.2 of the federally enforceable permit herein. The visible emission observation monitoring shall also serve as the method of compliance for complying with 40 CFR Part 64.3(a) and the specific Compliance Assurance Monitoring plan established in the permittee's application for which this permit has been based upon. Any visible emissions above 0% shall serve as an indicator. The permittee shall comply with the Quality Improvement Program Threshold and not exceed 10 excursions in any six-month period for those emission measurements made at the exhaust point. Method 9 will be the only accepted Measurement Approach unless circumstances such as those described in Condition 5.B.14 of the federally enforceable permit herein prevent otherwise. (Ref.: PSD Construction Permit Issued December 9, 2008, 40 CFR Part 60.273a(c), and 40 CFR Part 64.3(a))

- 5.B.5 For Emission Points AB-001 and AB-002, the permittee shall maintain records of the once per shift check and recording of the fan motor amperes and damper position. These records shall include either the control system fan motor amperes and all damper positions or the volumetric flow rate through each separately ducted hood during all periods in which a hood is operated for the purposes of capturing emissions. The permittee may petition the MDEQ for establishment of these parameters whenever the permittee can demonstrate to the MDEQ's satisfaction that the operating conditions upon which the parameters were previously established are no longer applicable. The values of these parameters as determined during the most recent demonstration of compliance shall be maintained at the appropriate level for each applicable period. Operation at other than baseline values may be subject to the requirements of 40 CFR Part 60.276a(c). (Ref.: PSD Construction Permit Issued December 9, 2008, 40 CFR Part 60.274a(a)(2), and 60.274a(c))
- 5.B.6 For Emission Points AB-001 and AB-002, the permittee shall perform monthly operational status inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and damper switches). This inspection shall include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). Any deficiencies shall be noted and proper maintenance performed. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.274a(d))
- 5.B.7 For Emission Points AB-001 and AB-002, the permittee shall determine compliance with the particulate matter standard in Conditions 3.B.4 and 3.B.5 of the federally enforceable permit herein as follows: Method 5 shall be used for negative-pressure fabric filters and other types of control devices and Method 5D shall be used for positive-pressure fabric filters to determine the particulate matter concentration and volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 4 hours and 4.50 dscm (160 dscf) and, when a single EAF or AOD vessel is sampled, the sampling time shall include an integral number of heats. (Ref.: PSD Construction Permit Issued December 9, 2008, 40 CFR 60.275a(e)(1), and 40 CFR 64.3(a))
- 5.B.8 For Emission Points AB-001 and AB-002, the performance test described in Condition 5.B.7 of the federally enforceable permit herein shall be performed within 24 months of the previous performance test, and biennially thereafter. The visible emission observation monitoring shall also serve as the method of compliance for complying with 40 CFR Part 64.3(a) and the specific Compliance Assurance Monitoring plan established in the permittee's application for which this permit has been based upon. Any visible emissions above 0% shall serve as an indicator. The permittee shall comply with the Quality Improvement Program Threshold and not exceed 10 excursions in any six-month period for those emission measurements made at the exhaust point. Method 9 will be the only accepted measurement approach unless circumstances such as those described in Condition 5.B.14 of the federally enforceable permit herein prevent otherwise. (Ref.: PSD Construction Permit Issued December 9, 2008, 40 CFR 60.274a(h), and 40 CFR Part 64.3(a))

5.B.9 For Emission Points AB-001 and AB-002, the permittee shall monitor during any performance test required under 40 CFR Part 60.8 and for any report required by 40 CFR Part 60.276a(f), the following information for all heats covered by the test:

- (a) Charge weights and materials, and tap weights and materials;
- (b) Heat times, including start and stop times, and a log of process operation, including periods of no operation during testing and the pressure inside an EAF when direct-shell evacuation control systems are used;
- (c) Control device operation log; and
- (d) Continuous opacity monitor or Method 9 data.

The performance test monitoring shall also serve as one method of compliance for complying with 40 CFR Part 64.3(a) and the specific Compliance Assurance Monitoring plan established in the permittee's application for which this permit has been based upon. The performance test shall be performed on a biennial basis beginning no later than 180 days from issuance of the PSD Construction Permit issued December 9, 2008. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 60.274a(h) and 40 CFR 64.3(a))

5.B.10 For Emission Points AB-001 and AB-002, the permittee shall use the test methods in Appendix A of this part or other methods and procedures as specified in 40 CFR Part 60.275a, when conducting the performance test required by Condition 5.B.7 of the federally enforceable permit herein. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 60.275a(d))

5.B.11 For Emission Points AB-001 and AB-002, the permittee shall demonstrate compliance with the particulate matter standard in Condition 3.B.2 of the federally enforceable permit herein utilizing Method 9 and the procedures of 40 CFR Part 60.11 for determining opacity. To demonstrate compliance with Condition 3.B.2 of the federally enforceable permit herein, the Method 9 test runs shall be conducted concurrently with the particulate matter test runs, unless inclement weather interferes. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.275a(e)(3) and (4))

5.B.12 For Emission Points AB-001 and AB-002, the permittee shall obtain the information required in Conditions 5.B.5, 5.B.7, and 5.B.9 of the federally enforceable permit herein in accordance with 40 CFR Part 60.274a(c), (f), (g), and (h), during the particulate matter runs. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 60.274a(c), (f), (g), and (h))

5.B.13 For Emission Points AB-001 and AB-002, the permittee shall comply with the provisions of 40 CFR Part 60, Subpart AAa, such that any control device, subject to the aforementioned regulation, shall be designed and constructed to allow measurement of emissions using

applicable test methods and procedures. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 60.275a(g))

- 5.B.14 For Emission Points AB-001 and AB-002, the permittee shall conduct concurrently the performance test required under 40 CFR Part 60.8 to demonstrate compliance with Conditions 3.B.1, 3.B.2, and 3.B.5, of the federally enforceable permit herein, unless inclement weather makes the concurrent testing infeasible. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 63.275a(j))
- 5.B.15 For Emission Points AB-001 and AB-002, the permittee shall maintain records of the measurements required in 40 CFR Part 60.274a, specifically for Conditions 5.B.5, 5.B.6, 5.B.7, and 5.B.9, of the federally enforceable permit herein, for at least two (2) years following the date of the measurement. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR Part 60.276a(a))
- 5.B.16 For Emission Points AB-001 and AB-002, the permittee shall comply with Condition 5.B.9 of the federally enforceable permit herein for determining compliance with the performance testing requirements of 40 CFR Part 63, Subpart YYYYYY. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR 63.10686(d) and (e))
- 5.B.17 For Emission Point AB-001 and AB-002, the permittee shall develop and implement a scrap management plan for minimizing the contaminants from scrap as determined by 40 CFR 63.10685. (Ref.: 40 CFR 63.10685)
- 5.B.18 For Emission Point AC-000, the permittee shall maintain and implement the operation and maintenance plan developed for minimizing particulate matter (includes PM₁₀ and PM_{2.5}). The permittee shall submit any changes to the operation and maintenance plan to the MDEQ. (Ref.: PSD Construction Permit Issued December 9, 2008)
- 5.B.19 For Emission Point AD-001, the permittee shall utilize operational ranges and monitoring frequencies established for demonstrating compliance with Conditions 3.B.14 through 3.B.18 of the federally enforceable permit herein. Operational ranges shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrate the proper operation of the equipment in compliance. (Ref.: Title V Permit to Operate Issued December 22, 2003 (modified August 16, 2004; May 15, 2007), and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)
- 5.B.20 For Emission Point AE-000, the permittee shall maintain and implement the operation and maintenance plan developed for demonstrating compliance with BACT for particulate matter (includes PM₁₀ and PM_{2.5}). The permittee shall submit any changes to the operation and maintenance plan to the MDEQ. (Ref.: PSD Construction Permit December 9, 2008)
- 5.B.21 For Emission Point AF-001, the permittee utilize operational ranges and monitoring frequencies established for demonstrating compliance with Condition 3.B.20 of the federally enforceable permit herein. Operational ranges shall be derived from stack test

data, vendor certification, operational history, and visual inspections, the combination of which demonstrate the proper operation of the equipment in compliance, and shall include (but not be limited to) daily monitoring and recording of fan motor current. The fan motor current shall be used as a method of compliance for complying with 40 CFR 64.3(a) and the specific Compliance Assurance Monitoring plan established in the permittee's application for which this permit has been based upon. The permittee shall also record the daily fan motor current, which will also serve as the indicator. The permittee shall comply with the Quality Improvement Program Threshold and not exceed 10 excursions in any six-month period for those emission measurements made at the exhaust point. (Ref.: Title V Permit to Operate Issued December 22, 2003 (modified August 16, 2004; May 15, 2007), 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(3)., and 40 CFR Part 64.3(a))

- 5.B.22 For Emission Point AG-000, the permittee shall develop good work practices and maintain sufficient records to document drop heights and maintenance necessary to ensure that all related equipment is being operated in a manner consistent with manufacturer design, demonstrating compliance with BACT as specified in Condition 3.B.21 of the federally enforceable permit herein. These records shall be in the form of the following good work practice certification statement which may be developed by the senior environmental manager for the facility and certified by the responsible official in the semiannual report submittals:

"Based upon my inquiry of the person or persons directly responsible for managing compliance with the permit limitations described in PART III of the PSD construction permit issued December 9, 2008, for Emission Point AG-000, I certify that, to the best of my knowledge and belief, preventative maintenance of all related equipment is being performed in a manner consistent with manufacturer design. I further certify that this facility is maintaining sufficient records to demonstrate this upon a site inspection visit or request by any MDEQ personnel."

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)., and 40 CFR 64.3(a))

- 5.B.23 The permittee shall, upon request by the MDEQ, demonstrate that their monthly throughput for each gasoline tank is less than the 10,000 gallon threshold level. The permittee shall keep records to document monthly throughput. Records required under this paragraph shall be kept for a period of five (5) years. (Ref.: 40 CFR 63.11111(e))

- 5.B.24 As applicable, the permittee shall keep the following records:

- (a) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.
- (b) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(Ref.: 40 CFR 63.11125(d)(1) and (2))

C. Emission Point Specific Recordkeeping and Reporting Requirements

Emission Point	Pollutant/ Parameter Monitored	Recordkeeping/Reporting Requirement	Condition Number	Applicable Requirement
AB-001 & AB-002 <i>(Electric Arc Furnace & Billet Caster)</i>	SO ₂	The results of Condition 5.B.2 of the federally enforceable permit herein shall be reported, reflecting the demonstration of compliance with BACT for NO _x and PM/PM ₁₀ /PM _{2.5} .	5.C.1	PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO			
	Lead			
	PM/PM ₁₀ /PM _{2.5}			
	NO _x			
	VOC			
	Reporting Requirements	Written report of performance test exceedances.	5.C.2	40 CFR 60.276a(f)
	40 CFR Part 63, Subpart YYYYY	Notification of compliance status.	5.C.3	40 CFR 63.10690(b)
AB-001 & AB-002	SO ₂	The results of Condition 5.B.3 of the federally enforceable permit herein shall be reported.	5.C.4	PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO			
	NO _x			11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	VOC			
	Reporting Requirements	Semiannual reporting.	5.C.5	40 CFR 60.276a(c)
		Written report of exceedances.	5.C.6	40 CFR 60.276a(b)
AC-000 <i>(Dust Handling)</i>	Lead	The results of Condition 5.B.18 of the federally enforceable permit herein shall be reported.	5.C.7	PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/PM ₁₀ /PM _{2.5}			

Emission Point	Pollutant/ Parameter Monitored	Recordkeeping/Reporting Requirement	Condition Number	Applicable Requirement
AD-001 <i>(Billet Reheat Furnace)</i>	SO ₂	Semiannual reporting of emissions.	5.C.8	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO			
	VOC			
	PM/PM ₁₀ /PM _{2.5}			
	NO _x			
AE-000 <i>(Traffic Related Fugitives)</i>	PM/PM ₁₀ /PM _{2.5}	The results of Condition 5.B.20 of the federally enforceable permit herein shall be reported.	5.C.7	PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AF-001 <i>(Shredder Cyclone)</i>	PM/PM ₁₀ /PM _{2.5}	Semiannual reporting of emissions.	5.C.9	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AG-000 <i>(Scrap Handling)</i>	PM/PM ₁₀ /PM _{2.5}	Semiannual reporting of good work practice statement.	5.C.10	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
Entire Facility	Malfunctions	Reporting requirements.	5.C.11	40 CFR 63.11126(b)

- 5.C.1 For Emission Points AB-001 and AB-002, the permittee shall submit a written report to the MDEQ of the results of Condition 5.B.2 of the federally enforceable permit herein to demonstrate compliance with BACT for nitrogen oxide and particulate matter (includes PM₁₀ and PM_{2.5}). (Ref.: PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)
- 5.C.2 For Emission Points AB-001 and AB-002, the permittee shall submit a written report to the MDEQ of the results of the test required for demonstrating compliance with Conditions 3.B.1, 3.B.2, and 3.B.5, of the federally enforceable permit herein. The report shall include the following information:
- (a) Facility name and address;
 - (b) Plant representative;
 - (c) Make and model of process, control device, and continuous monitoring equipment;

- (d) Flow diagram of process and emission capture equipment including other equipment or process(es) ducted to the same control device;
- (e) Rated (design) capacity of process equipment;
- (f) Those data required under Condition 5.B.10 of the federally enforceable permit herein;
 - (i) List of charge and tap weights and materials;
 - (ii) Heat times and process log;
 - (iii) Control device operation log; and
 - (iv) Continuous opacity monitor or Method 9 data.
- (g) Test dates and test times;
- (h) Test company;
- (i) Test company representative;
- (j) Test observers from outside agency;
- (k) Description of test methodology used, including any deviation from standard reference methods;
- (l) Schematic of sampling location;
- (m) Number of sampling points;
- (n) Description of sampling equipment;
- (o) Listing of sampling equipment calibrations and procedures;
- (p) Field and laboratory data sheets;
- (q) Description of sample recovery procedures;
- (r) Sampling equipment leak check results;
- (s) Description of quality assurance procedures;
- (t) Description of analytical procedures;

(u) Notation of sample blank corrections; and

(v) Sample emission calculations.

(Ref.: 40 CFR Part 60.276a(f))

- 5.C.3 For Emission Points AB-001 and AB-002, the permittee shall comply with the notification of compliance status requirements of 40 CFR 63.10690(b) as required by 40 CFR 63.9(h). (Ref.: 40 CFR 63.10690(b))
- 5.C.4 For Emission Points AB-001 and AB-002, the permittee shall submit a written report to the MDEQ of the results of required performance testing, required by Condition 5.B.3 of the federally enforceable permit herein, no later than 60 days following the actual performance test(s). (Ref.: PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)
- 5.C.5 For Emission Points AB-001 and AB-002, the permittee shall submit a written report of the operation of the control system fan motor amperes at values exceeding of the PSD Construction Permit issued December 9, 2008 and either operation of control system fan motor amperes at values exceeding ± 15 percent of the value established under Condition 5.B.5 of the federally enforceable permit herein or operation at flow rates lower than those established under Condition 5.B.5 of the federally enforceable permit herein may be considered unacceptable by the MDEQ. These values shall be reported to the MDEQ semiannually. (Ref.: PSD Construction Permit Issued December 9, 2008 and 40 CFR 60.276a(c))
- 5.C.6 For Emission Points AB-001 and AB-002, the permittee shall submit a written report of exceedances of the control device opacity to the MDEQ semiannually. For the purposes of these reports, exceedances are defined as all 6-minute periods during which the average opacity is 3 percent or greater. (Ref.: 40 CFR Part 60.276a(b))
- 5.C.7 For Emission Points AC-000 and AE-000, the permittee shall submit to the MDEQ results of any changes in the required operation and maintenance plans developed in accordance with Conditions 5.B.18 and 5.B.20 of the federally enforceable permit herein. (Ref.: PSD Construction Permit Issued December 9, 2008 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)
- 5.C.8 For Emission Point AD-001, the permittee shall submit semiannual reports providing the results of Condition 5.B.19 of the federally enforceable permit herein. Operating ranges may be updated (using previously established procedures) following MDEQ approval. Reports, including any variances from established parameters and appropriate corrective action taken during the reporting period shall be submitted to MDEQ postmarked no later than 30 calendar days after the end of the reporting period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.C.9 For Emission Point AF-001, the permittee shall submit semiannual reports providing the results of Condition 5.B.21 of the federally enforceable permit herein. Operating ranges may be updated (using previously established procedures) following MDEQ approval. Reports, including any variances from established parameters and appropriate corrective action taken during the reporting period shall be submitted to the MDEQ postmarked no later than 30 calendar days after the end of the reporting period. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)
- 5.C.10 For Emission Point AG-000, the permittee shall submit semiannual reports providing the good work practice(s), consistent with the certification requirement in Condition 5.B.22 of the federally enforceable permit herein, demonstrating compliance with Condition 3.B.21 of the federally enforceable permit herein. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)
- 5.C.11 The permittee shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. (See Conditions 3.B.23 and 5.B.24 of the federally enforceable permit herein.) (Ref.: 40 CFR 63.11126(b))

SECTION 6. ALTERNATIVE OPERATING SCENARIOS

6.1 None permitted.

SECTION 7. TITLE VI REQUIREMENTS

The following are applicable or potentially applicable requirements originating from Title VI of the Clean Air Act – Stratospheric Ozone Protection. The full text of the referenced regulations may be found on-line at <http://ecfr.gpoaccess.gov> under Title 40, or DEQ shall provide a copy upon request from the permittee.

- 7.1 If the permittee produces, transforms, destroys, imports or exports a controlled substance or imports or exports a controlled product, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart A – Production and Consumption Controls.
- 7.2 If the permittee performs service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.
- 7.3 The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart E – The Labeling of Products Using Ozone-Depleting Substances, for the following containers and products:
 - (a) All containers in which a class I or class II substance is stored or transported;
 - (b) All products containing a class I substance; and
 - (c) All products directly manufactured with a process that uses a class I substance, unless otherwise exempted by this subpart or, unless EPA determines for a particular product that there are no substitute products or manufacturing processes for such product that do not rely on the use of a class I substance, that reduce overall risk to human health and the environment, and that are currently or potentially available. If the EPA makes such a determination for a particular product, then the requirements of this subpart are effective for such product no later than January 1, 2015.
- 7.4 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction:
 - (a) Servicing, maintaining, or repairing appliances;
 - (b) Disposing of appliances, including small appliances and motor vehicle air conditioners; or
 - (c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations,

persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

- 7.5 The permittee shall be allowed to switch from any ozone-depleting substance to any acceptable alternative that is listed in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G – Significant New Alternatives Policy Program. The permittee shall also comply with any use conditions for the acceptable alternative substance.
- 7.6 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart H – Halon Emissions Reduction:
- (a) Any person testing, servicing, maintaining, repairing, or disposing of equipment that contains halons or using such equipment during technician training;
 - (b) Any person disposing of halons;
 - (c) Manufacturers of halon blends; or
 - (d) Organizations that employ technicians who service halon-containing equipment.

APPENDIX A

List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lbs/hr	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards For Hazardous Air Pollutants, 40 CFR 61
	or
	National Emission Standards For Hazardous Air Pollutants for Source Categories, 40 CFR 63
NM VOC	Non-Methane Volatile Organic Compounds
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM ₁₀	Particulate Matter less than 10 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound

APPENDIX B

**40 CFR PART 60, SUBPART AAa – STANDARDS OF PERFORMANCE FOR
STEEL PLANTS: ELECTRIC ARC FURNACES AND ARGON-OXYGEN
DECARBURIZATION VESSELS CONSTRUCTED AFTER AUGUST 17, 1983**

APPENDIX C

**40 CFR PART 63, SUBPART YYYYYY – NATIONAL EMISSION STANDARDS
FOR HAZARDOUS AIR POLLUTANTS FOR ELECTRIC ARC FURNACE
STEELMAKING FURNACES (AREA SOURCES)**

APPENDIX D

**40 CFR PART 63, SUBPART CCCCCC – NATIONAL EMISSION STANDARDS
FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORY:
GASOLINE DISPENSING FACILITIES (AREA SOURCES)**