

# STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT

AND PREVENTION OF SIGNIFICANT  
DETERIORATION AUTHORITY  
TO CONSTRUCT AIR EMISSIONS EQUIPMENT  
**THIS CERTIFIES THAT**

ESCO Corporation  
9098 Eastside Drive Extension  
Highway 15 North  
Newton County

has been granted permission to construct air emissions equipment to comply with emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with 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 and under authority granted by the Environmental Protection Agency under 40 CFR 52.01 and 52.21.

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**



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**AUTHORIZED SIGNATURE**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

Issued: June 1, 2012

Permit No.: 1980-00002

Modified: NOV 05 2012

**Part I**

**A. GENERAL CONDITIONS**

1. This permit is for air pollution control purposes only. (Ref.: APC-S-2, Section I.D)
2. Any activities not identified in the application are not authorized by this permit. (Ref.: Miss. Code Ann. 49-17-29 1.b)
3. The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for operating without a valid permit pursuant to State Law. (Ref.: APC-S-2, Section II.B.5)
4. It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits. (Ref.: APC-S-2, Section I.D.6)
5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities. (Ref.: APC-S-2, Section II.B.7)
6. 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 the permit, unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. (Ref.: APC-S-2, Section II.B.15(a))
7. The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. 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.: APC-S-2, Section II.B.15(b))
8. The permit does not convey any property rights of any sort, or any exclusive privilege. (Ref.: APC-S-2, Section II.B.15(c))
9. 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 permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. (Ref.: APC-S-2, Section II.B.15(d))
10. Design and Construction Requirements: The stationary source shall be designed and constructed so as to operate without causing a violation of an Applicable Rules and Regulations, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries. (Ref.: APC-S-2, Section V.A)
11. Solids Removal: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering State waters without the proper environmental permits. (Ref.: Miss. Code Ann. 49-17-29)
12. Diversion and Bypass of Air Pollution Controls: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in

Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. (Ref.: APC-S-1, Section 10)

13. Fugitive Dust Emissions from Construction Activities: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum. (Ref.: APC-S-2, Section V.A.4)
14. Right of Entry: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their representatives upon presentation of credentials:
  - a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit; and
  - b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emissions. (Ref.: Miss. Code Ann. 49-17-21)
15. Permit Modification or Revocation: After notice and opportunity for a hearing, the Permit Board may modify the permit or revoke it in whole or in part for good cause shown including, but not limited to:
  - a) Persistent violation of any of the terms or conditions of this permit;
  - b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
  - c) A change in federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

(Ref.: APC-S-2, Section II.C)
16. Public Record and Confidential Information: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality, Office of Pollution Control. (Ref.: Miss. Code Ann. 49-17-39)
17. Permit Transfer: This permit shall not be transferred except upon approval of the Permit Board. (Ref.: APC-S-2, Section XVI.B)
18. Severability: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the 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. APC-S-2, Section I.D.7)
19. Permit Expiration: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. (Ref.: APC-S-2, Section V.C.1)
20. Certification of Construction: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. Certification of Construction for the purposes of this permit is defined as completion of the commissioning and testing of Emission Points AB-003, AE-002, AF-002, AF-003, AH-001b, AH-002b, and AI-001, such that the Iron and Steel Foundry can begin operations as an integrated facility for Emission Point AA-000. The facility is authorized to implement the Facility Wide Emission Limitations for Emission Point AA-000 immediately upon June 1, 2012 prior to Certification of Construction and shall comply with all associated rules, regulations, and permit conditions for demonstrating compliance with said Emission Limitations. (Ref.: APC-S-2, Section V.D.3 and PSD Construction Permit Issued June 1, 2012)

21. Beginning Operation: Except as prohibited in Part I, Condition 24 of this permit, after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by APC-S-2, Section XIII.G. (Ref.: APC-S-2, Section V.D.4)
22. Application for a Permit to Operate: Except as otherwise specified in Part I, Condition 24 of this permit, the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing. (Ref.: APC-S-2, Section V.D.5)
23. Operating Under a Permit to Construct: Except as otherwise specified in Part I, Condition 24 of this permit, upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate. (Ref.: APC-S-2, Section V.D.6)
24. Application Requirements for a Permit to Operate for Moderate Modifications: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to “net” out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. (Ref.: APC-S-2, Section V.D.7)
25. Compliance Testing: Regarding compliance testing:
  - a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.
  - b) Compliance testing will be performed at the expense of the permittee.
  - c) Each emission sampling and analysis report shall include but not be limited to the following:
    - (1) detailed description of testing procedures;
    - (2) sample calculation(s);
    - (3) results; and
    - (4) comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: APC-S-2, Section VI.B.3, 4, and 6)

**B. GENERAL NOTIFICATION REQUIREMENTS**

1. Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. (Ref.: APC-S-2, Section V.C.2)
2. The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more. (Ref.: APC-S-2, Section V.C.3)
3. Upon the completion of construction or installation of an approved stationary source or modification, the applicant shall notify the Permit Board that construction or installation was performed in accordance with the approved plans and specifications on file with the Permit Board. (Ref.: APC-S-2, Section V.D.1)
4. The Permit Board shall be promptly notified in writing of any change in construction from the previously approved plans and specifications or permit. If the Permit Board determines the changes are substantial, it may require the submission of a new application to construct with “as built” plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an “as built” application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law. (Ref.: APC-S-2, Section V.D.2)

**PART II  
EMISSION POINT DESCRIPTION**

The permittee is authorized to construct air emissions equipment for the emission of air contaminants from the Steel Foundry/Finished Steel Casting Facility:

Emission Point	Description
AA-000	Steel Foundry/Finished Steel Casting Facility
AB-000	Melting and Refining Operations
AB-001	One (1) Fabric Filter Baghouse (AA-001) controlling emissions from the Two Electric Arc Furnaces (EAF-1 and EAF-2).
AB-002	One (1) Fabric Filter Baghouse (AA-002) controlling emissions from one Argon-Oxygen Decarburization (AOD-1) Vessel.
AB-003	One (1) Fabric Filter Baghouse (AA-032) controlling emissions from one Argon-Oxygen Decarburization (AOD-2) Vessel.
AC-000, AD-000, AE-000, and AF-000	Casting Operations (Mold and Core Making, Pouring and Cooling, and Shakeout and Sand Reclaiming)
AC-000	Mold Making Operations
AC-001	One (1) Fabric Filter Baghouse (AA-003) controlling emissions from the Greensand Muller and mold making Operation.
AC-002	One (1) Fabric Filter Baghouse (AA-033) controlling emissions from the No Bake Mold Making Operation.
AD-000	Core Making Operations
AD-001	One (1) Packed Tower Scrubber (AA-011) controlling emissions from either the Cold Box Core Making and Curing Operation(AD-001) or the Cold Box Core Making and Curing Operation (AD-002).
AD-002	One (1) Packed Tower Scrubber (AA-012) controlling emissions from either the Cold Box Core Making and Curing Operation (AD-002) or the Cold Box Core Making and Curing Operation (AD-001).
AD-003	One (1) Packed Tower Scrubber (AA-037) controlling emissions from the Cold Box Core Making and Curing Operation.
AD-004	No Bake and Shell Core Making and Curing Operations
AE-000	Pouring and Cooling Operation
AE-001	One (1) Fabric Filter Baghouse (AA-030) controlling emissions from the Greensand Pouring and Cooling Floor.
AE-002	One (1) Fabric Filter Baghouse (AA-031) controlling emissions from the No Bake Pouring and Cooling Floor.
AF-000	Shakeout and Sand Reclaim Operations
AF-001	One (1) Fabric Filter Baghouse (AA-006) controlling emissions from the Greensand Shakeout Process.

Emission Point	Description
AF-002	No Bake Shakeout Operation and No Bake Sand Reclaimer Operation ducted to AA-031 (fabric filter baghouse).
AF-003	One Fabric Filter Baghouse (AA-014) controlling emissions from two thermal Sand Reclaim Units.
AG-000	<b>Material Handling</b>
AG-001	One Fabric Filter Baghouse (AA-010) controlling emissions from the Pattern Shop.
AG-002	One (1) Fabric Filter Baghouse (AA-014) for controlling emissions from the scrap Burn Booth.
AG-003	Scrap Handling Operation
AG-004	Slag Handling and Slag Processing Operatio
AG-005	Three (3) Storage Silos containing Core Room Sand, Molding Greensand, and Bentonite, all venting to baghouse AA-003, One Storage Silo containing Lime venting to baghouse AA-001, and Two (2) No Bake Sand Tanks venting to baghouse AA-031.
AH-000	<b>Finishing Operations</b>
AH-001	Fifteen (15) High Temperature Heat Treat Ovens
AH-001a	Eight (8) Existing High Temperature Heat Treat Ovens each with a combined 3.3 MMBTU/Hr natural gas fired burner capacity.
AH-001b	Seven (7) New High Temperature Heat Treat Ovens each with a combined 3.3 MMBTU/Hr natural gas fired burner capacity.
AH-001c	High Temperature Heat Treat Oven No. 8 utilizing natural gas fired burners with a combined MMBTU/HR capacity of 3.75 MMBTU/Hr.
AH-002	Twelve (12) Low Temperature Heat Treat Ovens
AH-002a	Seven (7) Existing Low Temperature Heat Treat Ovens each with a combined 1.5 MMBTU/hr natural gas fired burner capacity.
AH-002b	Five (5) New Low Temperature Heat Treat Ovens each with a combined 1.5 MMBTU/hr natural gas fired burner capacity.
AH-003	One (1) Fabric Filter Baghouse (AA-004) controlling emissions from the Shotblast Operations.
AH-004	One (1) Fabric Filter Baghouse (AA-005) controlling emissions from the Shotblast Operations.
AH-005	One (1) Fabric Filter Baghouse (AA-034) controlling emission from the Shotblast Operations.
AH-006	Grinding Operations

<b>Emission Point</b>	<b>Description</b>
AH-007	Air Arc Cutting and Welding Operations venting to two Fabric Filter Baghouses (AA-035 and AA-036).
AI-000	Coating and Miscellaneous Operations
AI-001	Powder Coating Operation equipped with a 6.0 MMBTU/Hr natural gas fired thermo set unit
AI-002	Core Wash Operation
AJ-000	Facility-wide Natural Gas usage in natural gas-fired units throughout the facility.

**PART III**  
**EMISSION POINT SPECIFIC EMISSION LIMITATION AND STANDARDS**

<b>Emission Point</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant/Parameter</b>	<b>Limit/Standard</b>
<b>AA-000</b> <i>(Entire Facility)</i>	<b>PSD Construction Permit Issued June 1, 2012</b>	<b>III.1</b>	<b>PM/PM<sub>10</sub></b> <b>(filterable and condensable)</b>	<b>102.5 tpy</b>
		<b>III.2</b>	<b>PM<sub>2.5</sub></b> <b>(filterable and condensable)</b>	<b>95.7 tpy</b>
		<b>III.3</b>	<b>CO</b>	<b>548.3 tpy</b>
		<b>III.4</b>	<b>NO<sub>x</sub></b>	<b>51.9 tpy</b>
		<b>III.5</b>	<b>VOC</b>	<b>131.3 tpy</b>
		<b>III.6</b>	<b>SO<sub>2</sub></b>	<b>12.7 tpy</b>
<b>AB-003</b> <i>(AOD Baghouse)</i>	<b>PSD Construction Permit Issued June 1, 2012</b>	<b>III.7</b>	<b>CO</b>	<b>BACT: 2.74 lbs/ton of metal poured</b>
<b>AE-002 and AF-002</b> <i>(Baghouse (AA-031) for No Bake Pouring and Cooling and Shakeout and Reclaiming)</i>	<b>PSD Construction Permit Issued June 1, 2012</b>	<b>III.8</b>	<b>CO</b>	<b>BACT: 6 lbs/ton of metal poured</b>
<b>AF-003</b> <i>(Baghouse for Thermal Sand Reclaim-AA-014)</i>	<b>PSD Construction Permit Issued June 1, 2012</b>	<b>III.9</b>	<b>CO</b>	<b>BACT: 0.098 lb/ton of sand</b>
<b>AH-001b and AH-002b</b> <i>(7 new High Temp and 5 new Low Temp Heat Treat Ovens)</i>	<b>PSD Construction Permit Issued June 1, 2012</b>	<b>III.10</b>	<b>CO</b>	<b>BACT: 0.080 lb/MMBTU/hr</b>
<b>AH-001c</b> <i>(Heat Treat Oven No. 8)</i>	<b>Federally Enforceable Permit to Construct Issued on September 27, 2004</b>	<b>III.11</b>	<b>CO</b>	<b>2 TPY</b>
<b>AI-001</b> <i>(Powder Coating Unit)</i>	<b>PSD Construction Permit Issued June 1, 2012</b>	<b>III.12</b>	<b>CO</b>	<b>BACT: 0.083 lb/MMBTU/hr</b>

Emission Point	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
<b>AB-000, AC-000, AD-000, AE-000, and AF-000</b> <i>(Melting and Refining and Casting Operations, including Fugitives)</i>	<b>40 CFR 63.7681</b>	<b>III.13</b>	<b>40 CFR 63 – Subpart EEEEE</b>	<b>Applicability and Compliance Dates</b>
<b>AB-001</b> <i>(EAFs)</i>	<b>40 CFR 63.7690(a)(1)(i), or</b>	<b>III.14</b>	<b>PM</b>	<b>0.005 gr/dscf, or</b>
	<b>40 CFR 63.7690(a)(1)(ii)</b>		<b>Total Metal HAP</b>	<b>0.0004 gr/dscf</b>
<b>AE-000</b> <i>(Pouring Stations)</i>	<b>40 CFR 63.7690(a)(5)(i), or</b>	<b>III.15</b>	<b>PM</b>	<b>0.010 gr/dscf, or</b>
	<b>40 CFR 63.7690(a)(5)(ii),</b>		<b>Total Metal HAP</b>	<b>0.0008 gr/dscf</b>
<b>AA-000</b> <i>(Entire Facility Buildings)</i>	<b>40 CFR 63.7690(a)(7)</b>	<b>III.16</b>	<b>Opacity</b>	<b>less than 20% except for one 6-minute average per hour that does not exceed 27 percent opacity</b>
<b>AH-002</b> <i>(Low Temp Heat Treat Ovens)</i>	<b>40 CFR 63.7490(a) and (b)</b>	<b>III.17</b>	<b>40 CFR 63, Subpart DDDDD</b>	<b>Applicability and Compliance Dates</b>
<b>AF-003</b> <i>(Thermal Sand Reclaimers)</i>	<b>40 CFR 60.730(a) and (c)</b>	<b>III.18</b>	<b>40 CFR 60, Subpart UUU</b>	<b>Applicability and Compliance Dates</b>
<b>AB-001, AB-002, AB-003, AE-001, AE-002 (controls AF-002), AF-002, AF-003, AH-003, AH-004, AH-005, and AH-007</b> <i>(Baghouses for EAF's, AODs, Pouring and Cooling, No Bake Shakeout, Thermal Reclaiming, Low Temp Heat Treat Ovens, Shotblasting, and Air Arc Cutting and Welding)</i>	<b>40 CFR 64.2(a) and (b)(vi)</b>	<b>III.19</b>	<b>CAM</b>	<b>Applicability</b>
<b>AA-000</b> <i>(Facility Wide)</i>	<b>PSD Construction Permit Issued June 1, 2012</b>	<b>III.20</b>	<b>Control Devices</b>	<b>Operate at all times</b>

<b>Emission Point</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant/Parameter</b>	<b>Limit/Standard</b>
<b>AA-000</b> <i>(Each Manufacturing Process)</i>	<b>APC-S-1, Section 3.6(a)</b>	<b>III.21</b>	<b>PM</b>	<b><math>E = 4.1p^{0.67}</math></b>
<b>AJ-000 and Insignificant Activities</b> <i>(Facility Wide Natural Gas Usage)</i>	<b>APC-S-1, Section 3.4(a)(1)</b>	<b>III.22</b>	<b>PM</b>	<b>0.6 lbs/MMBTU heat input</b>
<b>AH-002, AJ-000 and Insignificant Activities</b> <i>(Facility Wide Natural Gas Usage)</i>	<b>APC-S-1, Section 4.1(a)</b>	<b>III.23</b>	<b>SO<sub>2</sub></b>	<b>4.8 lbs/MMBTU heat input</b>

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- III.1 For Emission Point AA-000, the permittee shall limit emission of Particulate Matter/Particulate Matter-10 (PM/PM10) (filterable and condensable) to no more than 102.54 tons per year as determined for each consecutive (rolling) twelve month period. (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.2 For Emission Point AA-000, the permittee shall limit emission of Particulate Matter-2.5 (PM2.5) (filterable and condensable) to no more than 95.72 tons per year as determined for each consecutive (rolling) twelve month period. (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.3 For Emission Point AA-000, the permittee shall limit emission of Carbon Monoxide (CO) to no more than 548.3 tons per year as determined for each consecutive (rolling) twelve month period. (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.4 For Emission Point AA-000, the permittee shall limit emission of Nitrogen Oxides (NOX) to no more than 51.9 tons per year as determined for each consecutive (rolling) twelve month period. (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.5 For Emission Point AA-000, the permittee shall limit emission of Volatile Organic Compounds (VOC) to no more than 131.3 tons per year as determined for each consecutive (rolling) twelve month period. (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.6 For Emission Point AA-000, the permittee shall limit emission of Sulfur Dioxide (SO2) to no more than 12.7 tons per year as determined for each consecutive (rolling) twelve month period. (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.7 For Emission Point AB-003, the permittee shall limit emissions of Carbon Monoxide (CO) to no more than 2.74 lbs per ton of metal poured (BACT for CO). (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.8 For Emission Points AE-002 and AF-002, the permittee shall limit emissions of Carbon Monoxide (CO) to no more than 6 lbs per ton of metal poured from each of the two baghouses (AA-030 and S-006) (BACT for CO). (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.9 For Emission Point AF-003, the permittee shall limit emissions of Carbon Monoxide (CO) to no more than 0.098 lbs per ton of sand from the baghouse (AA-031) (BACT for CO). (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.10 For Emission Point AH-001b, the permittee shall limit emissions of Carbon Monoxide (CO) to no more than 0.080 lb/MMBTU/hr (BACT for CO). (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.11 For Emission Point AH-001c, the permittee shall limit emissions of Carbon Monoxide (CO) to no more than 2 tons per year as determined for each consecutive (rolling) twelve month period. (BACT for CO). (Ref.: Federally Enforceable Permit to Construct Issued on September 27, 2004)
- III.12 For Emission Point AI-001, the permittee shall limit emissions of Carbon Monoxide (CO) to no more than 0.083 lb/MMBTU/hr (BACT for CO). (Ref.: PSD Permit to Construct Issued on June 1, 2012)
- III.13 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee is subject to 40 CFR 63 - National Emission Standards for Hazardous Air Pollutants (NESHAP), specifically Subpart EEEEE – National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries, and shall comply with the applicable provisions by the compliance date. (Ref.: 40 CFR 63.7681)
- III.14 For Emission Point AB-001, the permittee shall limit emissions of Particulate Matter to no more than 0.005 grains per dry standard cubic foot, or emissions of Total Metal HAP to no more than 0.004 grains per dry standard cubic foot, in accordance with 40 CFR 63.7690(a)(1)(i) and (ii) – NESHAP Subpart EEEEE. (Ref.: 40 CFR 63.7690(a)(1)(i) and (ii))

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- III.15 For Emission Point AE-000, the permittee shall limit emissions of Particulate Matter to no more than 0.010 grains per dry standard cubic foot, or emissions of Total Metal HAP to no more than 0.0008 grains per dry standard cubic foot, in accordance with 40 CFR 63.7690(a)(5)(i) and (ii) – NESHAP Subpart EEEEE. (Ref.: 40 CFR 63.7690(a)(5)(i) and (ii))
- III.16 For Emission Point AA-000, the permittee shall not emit fugitive emissions with an Opacity greater 20 percent (6-minute average), except for one 6-minute average per hour that does not exceed 27 percent opacity, from any building or structure housing any iron and steel foundry emissions source at the iron and steel foundry, in accordance with 40 CFR 63.7690(a)(7) – NESHAP Subpart EEEEE. (Ref.: 40 CFR 63.7690(a)(7))
- III.17 For Emission Point AH-003, the permittee is subject to 40 CFR 63 - National Emission Standards for Hazardous Air Pollutants (NESHAP), specifically Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, Institutional Boilers and Process Heaters, and shall comply with the applicable provisions by the compliance date of the reconsidered rule. (Ref.: 40 CFR 63.7490(a) and (b))
- III.18 For Emission Point AF-003, the permittee is subject to 40 CFR CFR 60 – New Source Performance Standards (NSPS), specifically Subpart UUU – New Source Performance Standards for Calciners and Dryers in the Mineral Industry, and shall comply with the applicable provisions by the compliance date. (Ref.: 40 CFR 60.730(a) and (c))
- III.19 For Emission Points AB-001, AB-002, AB-003, AE-001, AE-002 (controls AF-002), AF-002, AF-003, AH-003, AH-004, AH-005, and AH-007, the permittee is subject to Compliance Assurance Monitoring (CAM) and shall comply with the applicable provisions. (Ref.: 40 CFR 64.2(a) and (b)(vi))
- III.20 For Emission Point AA-000, the permittee shall operate all control devices at all times that the associated equipment for which the control devices are being utilized is in use. The permittee shall operate the control device according to the manufacturer’s design and specification requirements and recommendations. (Ref.: PSD Construction Permit Issued on June 1, 2012)
- III.21 For Emission Point AA-000, except as otherwise specified herein, the permittee shall not cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship
- $$E = 4.1p^{0.67}$$
- where E is the emission rate in pounds per hour and p is the process weight in tons per hour.
- (Ref.: APC-S-1, Section 3.6.(a))
- III.22 For Emission Point AJ-000, the permittee shall limit emissions of ash and/or particulate matter (PM) from fossil fuel burning installations to no more than 0.6 lbs/MMBTU/hr. (Ref.: APC-S-1, Section 3.4.(a)(1))
- III.23 For Emission Point AJ-000, the permittee shall limit emissions of Sulfur Dioxide (SO<sub>2</sub>) from any fuel burning installation in which the fuel is burned primarily to produce heat and or power by indirect heat transfer shall not exceed 4.8 lbs/MMBTU/hr. (Ref.: APC-S-1, Section 4.1.(a))

**PART IV  
 EMISSION POINT SPECIFIC MONITORING AND RECORDKEEPING  
 REQUIREMENTS**

<b>Emission Points</b>	<b>Pollutant/Parameter</b>	<b>Monitoring and Recording Requirement</b>	<b>Condition Number</b>	<b>Applicable Requirement</b>
<b>AA-000 (Entire Facility)</b>	<b>PM/PM<sub>10</sub>/PM<sub>2.5</sub></b>	<b>Monitoring and Monthly Recordkeeping of Emissions</b>	<b>IV.1</b>	<b>PSD Construction Permit Issued June 1, 2012</b>
	<b>CO</b>			
	<b>NO<sub>x</sub></b>			
	<b>VOC</b>			
	<b>SO<sub>2</sub></b>			
<b>AA-000 (Entire Facility)</b>	<b>PM/PM<sub>10</sub>/PM<sub>2.5</sub></b>	<b>Stack/Performance Testing for demonstrating compliance with Facility Wide Limits, BACT Limits, and Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate</b>	<b>IV.2</b>	<b>PSD Construction Permit Issued June 1, 2012</b>
	<b>CO</b>			
	<b>NO<sub>x</sub></b>			
	<b>VOC</b>			
<b>AA-000 (Facility Wide)</b>	<b>Fuel Usage</b>	<b>Maintain monthly records on the type, quantity, quality, and heating value (BTU/ft<sup>3</sup>) of fuel combusted</b>	<b>IV.3</b>	<b>PSD Construction Permit Issued June 1, 2012</b>
<b>AA-000 (Facility Wide)</b>	<b>Control Devices</b>	<b>Maintain Monthly Records Documenting that Control Devices were utilized at all times.</b>	<b>IV.4</b>	<b>PSD Construction Permit Issued June 1, 2012</b>

Emission Points	Pollutant/Parameter	Monitoring and Recording Requirement	Condition Number	Applicable Requirement
<b>AB-000, AC-000, AD-000, AE-000, and AF-000</b> <i>(Melting, Refining and Casting Operations)</i>	<b>40 CFR 63, Subpart EEEEE</b>	Work Practice Standards	IV.5	40 CFR 63.7700
		Operation and Maintenance Requirements	IV.6	40 CFR 63.7710
		Initial Compliance Demonstration Date	IV.7	40 CFR 63.7730
		Subsequent Performance Test	IV.8	40 CFR 63.7731
		Performance Test Procedures	IV.9	40 CFR 63.7732
		Procedures for Operating Limits	IV.10	40 CFR 63.7733
		Initial Compliance Demonstration	IV.11	40 CFR 63.7734
		Initial Compliance Demonstration with Work Practice Standards	IV.12	40 CFR 63.7735
		Initial Compliance Demonstration with Operation and Maintenance Requirements	IV.13	40 CFR 63.7736
		Continuous Compliance Requirements	IV.14	40 CFR 63.7740
		Installation, Operation, and Maintenance Requirements for Monitors	IV.15	40 CFR 63.7741
		Monitor and Collect Data for Demonstrating Continuous Compliance	IV.16	40 CFR 63.7742
		Demonstrating Continuous Compliance with Emission Limitations	IV.17	40 CFR 63.7743
		Demonstrating Continuous Compliance with Work Practice Standards	IV.18	40 CFR 63.7744
		Demonstrating Continuous Compliance with Operation and Maintenance Requirements	IV.19	40 CFR 63.7745
Recordkeeping Requirements	IV.20	40 CFR 63.7752 and 63.7753		

Emission Points	Pollutant/Parameter	Monitoring and Recording Requirement	Condition Number	Applicable Requirement
<p style="text-align: center;"><b>AF-003</b> <i>(Thermal Sand Reclaimers)</i></p>	<p style="text-align: center;"><b>40 CFR 60, Subpart UUU</b></p>	<b>Monitoring</b>	<b>IV.21</b>	<b>40 CFR 60.734</b>
		<b>Recording and Reporting</b>	<b>IV.22</b>	<b>40 CFR 60.735</b>
		<b>Test Methods and Procedures</b>	<b>IV.23</b>	<b>40 CFR 60.736</b>
<p><b>AB-001, AB-002, AB-003, AE-001, AE-002 (controls AF-002), AF-002, AF-003, AH-003, AH-004, AH-005, and AH-007</b> <i>(Baghouses for EAF's, AODs, Pouring and Cooling, No Bake Shakeout, Thermal Reclaiming, Low Temp Heat Treat Ovens, Shotblasting, and Air Arc Cutting and Welding)</i></p>	<b>CAM</b>	<b>Develop and Implement an Emission Point Specific Plan for Demonstrating Compliance</b>	<b>IV.24</b>	<b>40 CFR 63.4(a)</b>

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- IV.1 For Emission Point AA-000 (the Entire Facility), the permittee shall determine the Facility Wide PM, PM10, PM2.5, CO, NOX, VOC, and SO2 Emission Rate as determined for each consecutive 12-month period by utilizing data obtained from Stack/Performance Testing, Natural Gas Usage Records, and any other data necessary to demonstrate compliance with Conditions III.1 thru III.9 of the permit herein. (Ref. PSD Construction Permit Issued June 1, 2012)
- IV.2 For Emission Point AA-000 (the Entire Facility), the permittee shall determine perform an initial stack test according to the table below to develop operational ranges to provide a reasonable assurance of compliance with Conditions III.1 through III.5 of the PSD construction permit herein. The permittee shall utilize those test methods specified in the table or an alternative EPA approved test method. The 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. For those operations and/or pollution control equipment that are similar such that reciprocal stack testing can be performed in lieu of stack/performance testing each piece of control equipment, the permittee may elect to perform stack/performance testing on one of the control equipment emission points provided that the permittee utilizes this data to determine compliance for all pieces of control equipment that would be considered reciprocal. If the stack/performance testing demonstrates that the permittee is in violation of the emission point, then the permittee will be in violation of all reciprocal emission points unless the permittee elects to perform stack/performance testing on the reciprocal emission control equipment to demonstrate compliance. During the stack/performance test, the permittee shall monitor the Charge Weights and Material, Heat Times including the start and stop times and a log of process operations including periods of no operation during testing, the total amount of sand processed/reclaimed, the control device operation log, and any other data necessary to determine compliance with the short term BACT limits based on metal poured and sand processed/reclaimed.

<b>Emission Point</b>	<b>Stack ID</b>	<b>Description</b>	<b>Date of Testing</b>	<b>Pollutants to be Tested</b>	<b>Tested Method</b>
AB-001	AA-001	EAF-1 and EAF-2	On or before June 1, 2013	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
				VOC	EPA Reference Method 25A
AB-002	AA-002	AOD-1	Within 180 days of June 1, 2012	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
AC-001	AA-003	Greensand Muller and Mold Maker	Within 180 days of June 1, 2012	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				VOC	EPA Reference Method 25A
AD-001	AA-011	Isocure Core Making	On or before June 1, 2013	VOC	EPA Reference Method 25A
AF-001	AA-006	Greensand Shakeout	Within 180 days of June 1, 2012	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				VOC	EPA Reference Method 25A
AH-001a	AH-001a	Existing High Temp Heat Treat Ovens	Within 180 days of June 1, 2012	CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
AH-002a	AH-002a	Existing Low Temp Heat Treat Ovens	Within 180 days of June 1, 2012	CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E

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AH-003	AA-004	Shotblast	Within 180 days of June 1, 2012	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
AH-004	AA-005	Shotblast	Within 180 days of June 1, 2012	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
AB-003	AA-032	AOD-2	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
AC-002	AA-033	No Bake Mold Making	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				VOC	EPA Reference Method 25A
AD-003	AA-037	Isocure Core Making	On or before June 1, 2013	VOC	EPA Reference Method 25A
AE-001	AA-030	Greensand Pouring and Cooling	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
				VOC	EPA Reference Method 25A
AE-002	AA-031	No Bake Pouring and Cooling	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
				VOC	EPA Reference Method 25A
AF-002	AA-031	No Bake Shakeout and Sand Reclaiming	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				VOC	EPA Reference Method 25A
AF-003	AA-014	Thermal Sand Reclaim	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
				CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
				VOC	EPA Reference Method 25A
AH-001b	AH-001b	New High Temp Heat Treat Ovens	Within 90 days of Reaching Maximum Production Level	CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
AH-002b	AH-002b	New Low Temp Heat Treat Ovens	Within 90 days of Reaching Maximum Production Level	CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E
AH-005	AA-034	Shotblast	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202

AH-007	AA-035	1 Air Arc Station	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
AH-007	AA-036	3 Air Arc Stations	Within 90 days of Reaching Maximum Production Level	PM/PM10	EPA Reference Method 5
				PM2.5	EPA Reference Method 202
AI-001	AI-001	Powder Coater	Within 90 days of Reaching Maximum Production Level	CO	EPA Reference Method 10
				NOx	EPA Reference Method 7E

(Ref.: PSD Construction Permit Issued June 1, 2012 and Modification Date)

- IV.3 For Emission Point AA-000 (the Entire Facility), the permittee shall monitor and maintain monthly records on the type, quantity, quality, and heating value (BTU/ft<sup>3</sup>) of fuel combusted. (Ref.: PSD Construction Permit Issued June 1, 2012)
- IV.4 For Emission Point AA-000 (the Entire Facility), the permittee shall maintain monthly records documenting that the control devices were utilized at all times. (Ref.: PSD Construction Permit Issued June 1, 2012)
- IV.5 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Work Practice Standards in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7700)
- IV.6 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Operation and Maintenance Requirements in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7710)
- IV.7 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Initial Compliance Demonstration Date in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7730)
- IV.8 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Subsequent Performance Test in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7731)
- IV.9 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Performance Test Procedures in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7732)
- IV.10 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Procedures for Operating Limits in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7733)
- IV.11 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Initial Compliance Demonstration in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7734)
- IV.12 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Initial Compliance Demonstration with Work Practice Standards in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7735)

- IV.13 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Initial Compliance Demonstration with Operation and Maintenance Requirements for Monitors in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7736)
- IV.14 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Continuous Compliance Requirements in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7740)
- IV.15 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Installation, Operation, and Maintenance Requirements for Monitors in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7741)
- IV.16 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Monitoring and Collection of Data for Demonstrating Continuous Compliance in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7742)
- IV.17 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Demonstration of Continuous Compliance with Emission Limitations in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7743)
- IV.18 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Demonstration of Continuous Compliance with Work Practice Standards in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7744)
- IV.19 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Demonstration of Continuous Compliance with Operation and Maintenance Requirements in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7745)
- IV.20 For Emission Points AB-000, AC-000, AD-000, AE-000, and AF-000, the permittee shall comply with the applicable provisions of the Recordkeeping Requirements in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7752 and 63.7753)
- IV.21 For Emission Point AF-003, the permittee shall comply with the applicable provisions of the Monitoring in 40 CFR 60, Subpart UUU by the compliance date. (Ref.: 40 CFR 60.734)
- IV.22 For Emission Point AF-003, the permittee shall comply with the applicable provisions of the Recordkeeping and Reporting in 40 CFR 60, Subpart UUU by the compliance date. (Ref.: 40 CFR 60.735)
- IV.23 For Emission Point AF-003, the permittee shall comply with the applicable provisions of the Test Methods and Procedures in 40 CFR 60, Subpart UUU by the compliance date. (Ref.: 40 CFR 60.736)
- IV.24 For Emission Points AB-001, AB-002, AB-003, AE-001, AE-002, AF-002, AF-003, AH-003, AH-004, AH-006, and AH-007, the permittee shall develop and implement an emission point specific plan for demonstrating compliance with the Compliance Assurance Monitoring (CAM) provisions. (Ref.: 40 CFR 63.4(a))

PART V  
 EMISSION POINT SPECIFIC REPORTING REQUIREMENTS

Emission Points	Pollutant/Parameter	Monitoring and Recording Requirement	Condition Number	Applicable Requirement
AA-000 (Entire Facility)	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	Semi-annual Reports Summarizing Emission Rate	V.1	PSD Construction Permit Issued June 1, 2012
	CO			
	NO <sub>x</sub>			
	VOC			
	SO <sub>2</sub>			
	Fuel Usage	Semi-annual Reports on Type, Quantity, and Heating Value (BTU/ft <sup>3</sup> )	V.2	
	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	60 Day Notification of Stack/Performance Test to allow MDEQ Observer to be present and submittal of Report within 60 days following Stack/Performance Test	V.3	PSD Construction Permit Issued June 1, 2012
	CO			
	NO <sub>x</sub>			
	VOC			
	SO <sub>2</sub>			
	Control Devices	Maintain Monthly Records Documenting that Control Devices were utilized at all times.	V.4	PSD Construction Permit Issued June 1, 2012
	Exceedances	5 day notification of non-compliance for any required monitoring as required by the Site Specific Compliance Assurance Monitoring Plan	V.5	APC-S-6, Section III.A.3.a
Semi-Annual Reports	Due 30 Days from the semi-annual periods end June 30 and December 31	V.6	APC-S-6, Section II.E and III.A.3.c.(1)	
AB-003, AE-002, AF-002, AF-003, AH-001b, AH-002b, AH-001c, and AI-001	CO	Semi-annual Reports Summarizing Emission Rate for Demonstrating Compliance with Emission Point Specific BACT Limits	V.7	PSD Construction Permit Issued June 1, 2012

Emission Points	Pollutant/Parameter	Monitoring and Recording Requirement	Condition Number	Applicable Requirement
<b>AB-000, AC-000, AD-000, AE-000, and AF-000</b> <i>(Melting, Refining and Casting Operations)</i>	<b>40 CFR 63, Subpart EEEEE</b>	<b>Other Requirements</b>	<b>V.8</b>	<b>40 CFR 63.7746</b>
		<b>Notifications</b>	<b>V.9</b>	<b>40 CFR 63.7750</b>
		<b>Reports</b>	<b>V.10</b>	<b>40 CFR 63.7751</b>
<b>AF-003</b> <i>(Thermal Sand Reclaimers)</i>	<b>40 CFR 60, Subpart UUU</b>	<b>Recording and Reporting</b>	<b>V.11</b>	<b>40 CFR 60.735</b>

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- V.1 For Emission Point AA-000, the permittee shall submit semi-annual reports providing the Particulate Matter/Particulate Matter-10/Particulate Matter-2.5 (PM/PM10/PM2/5), Carbon Monoxide (CO), Nitrogen Oxides (NOX), Volatile Organic Compounds (VOC), and Sulfur Dioxide (SO2) Emission Rates in accordance with Section IV for demonstrating compliance with Section III of the permit herein.. (Ref.: PSD Construction Permit Issued June 1, 2012)
- V.2 For Emission Point AA-000, the permittee shall submit semi-annual reports on the type, quantity, quality, and heating value (BTU/ft<sup>3</sup>) of fuel combusted in accordance with Section VI for demonstrating compliance with Section III. (PSD Construction Permit Issued June 1, 2012)
- V.3 For Emission Point AA-000, the permittee shall notify the MDEQ at least 60 days in advance of the Stack/Performance Test to allow an Observer of MDEQ to be present during the test. Following the Stack/Performance Test, the permittee shall submit the results of the Stack/Performance Test within 60 days from the Stack/Performance Test date in accordance with Section VI for demonstrating compliance with Section III. . (Ref.: PSD Construction Permit Issued June 1, 2012)
- V.4 For Emission Point AA-000, the permittee shall submit semi-annual reports documenting that the control devices were operated at all times in accordance with Section VI for demonstrating compliance with Section III. (Ref.: PSD Construction Permit Issued June 1, 2012)
- V.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, within five (5) days of the time the deviation began. The permittee shall include these deviations in the required semi-annual report Ref.: APC-S-6, Section III.A.3.c.(2))
- V.6 For Emission Point AA-000. except as otherwise specified herein, the permittee shall submit semi-annual reports of any required monitoring. 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 APC-S-6, Section II.E. These reports shall be submitted no later than 30 days from the semi-annual periods ending June 30 and December 31. (Ref.: APC-S-6, Section II.E and Section III.A.3.c.(1))
- V.7 For shall submit semi-annual reports providing the Carbon Monoxide (CO) Emission Rates in accordance with Section IV for demonstrating compliance with the BACT Limits in Section III of the permit herein. (Ref.: PSD Construction Permit Issued June 1, 2012)
- V.8 For Emission Points AB-000, AC-000, AD-000, AE-000, AF-000, the permittee shall comply with the applicable provisions of the Other Requirements in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7746)
- V.9 For Emission Points AB-000, AC-000, AD-000, AE-000, AF-000, the permittee shall comply with the applicable provisions of the Notifications in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7750)
- V.10 For Emission Points AB-000, AC-000, AD-000, AE-000, AF-000, the permittee shall comply with the applicable provisions of the Reporting Requirements in 40 CFR 63, Subpart EEEEE by the compliance date. (Ref.: 40 CFR 63.7751)
- V.11 For Emission Point AF-003, the permittee shall comply with the applicable provisions of the Recordkeeping and Reporting in 40 CFR 60, Subpart UUU by the compliance date. (Ref.: 40 CFR 60.735)

**APPENDIX A - List of Abbreviations Used In this Permit**

APC-S-1	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
APC-S-2	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
APC-S-3	Regulations for the Prevention of Air Pollution Emergency Episodes
APC-S-4	Ambient Air Quality Standards
APC-S-5	Regulations for the Prevention of Significant Deterioration of Air Quality
APC-S-6	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
AP-42	Air Pollution Compilation of Air Emission Factors – 42 shall be defined as the factors utilized in the initial application
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
GACS	Gallons of Applied Coating Solids
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
NMVOC	Non-Methane Volatile Organic Compounds
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter less than 10 um in diameter
PM <sub>2.5</sub>	Particulate Matter less than 2.5 um in diameter
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant