

JEFFERSON COUNTY DEPARTMENT OF HEALTH

AIR POLLUTION PROGRAM

MAJOR SOURCE OPERATING PERMIT

Permittee: U. S. Steel Seamless Tubular Operations, LLC - Fairfield Works, Pipe Mill

Location: 5700 Valley Road
Fairfield, Alabama 35064

Permit No: 4-07-0371-09

Issuance Date: March 9, 2021

Expiration Date: January 7, 2025

Nature of Business: Seamless Steel Pipe Manufacturer

Emissions Unit No.	Emissions Unit Description
	<u>Seamless Tubular Operations</u>
003	340 MMBtu/hr Bloom Reheat Furnace
004	Mandrel Piercing Mill, Deoxidizer (Borax) and Graphite Application Stations, all connected to a 150,000 ACFM Venturi Rod Scrubber
005	114 MMBtu/hr Tube Reheat Furnace
006	86.6 MMBtu/hr Austenitizing Furnace
007	66.5 MMBtu/hr Tempering Furnace
008	Pipe Coater No. 1
009	Pipe Coater No. 2
010	4 MMBtu/hr Mandrel Preheat Furnace
011	Gasoline Dispensing Facilities with Bulk Storage Tanks Equipped with conservation vents, submerged fill pipes, and vapor collection systems (Stage I Controls) [Each gasoline dispensing facility is subject to the requirements of Subpart CCCCCC of 40 CFR 63.] 12,000 Gallons Capacity Gasoline Storage Tank (FT-1) 4,000 Gallons Capacity Gasoline Storage Tank (FT-16) 500 Gallons Capacity Gasoline Storage Tank (FT-18)
012	Electric Arc Furnace (EAF) with a Water Cooled Direct-shell Evacuation Control System (DEC), Ducting, and a Canopy Hood all connected to a 1,200,000 SCFM Baghouse, an EAF Baghouse Dust Storage Silo with a 2,285 SCFM Bin Vent (The EAF, the Dust Storage Silo are subject to Subpart AAa of 40 CFR 60. The EAF is also subject to Subpart YYYYYY of 40 CFR 63.), and Slag Material Handling Operations, Day Storage Bins (6 Alloy, 4 Flux, one Moly Oxide, 3-for future storage) and a Grizzly Breaker all connected to a 480,000 SCFM Baghouse
013	Ladle Metallurgy Furnace, Alloy Addition and Wire Feeding, Vacuum Degassing, and a Reheat Furnace connected to a 65,000 SCFM Baghouse
014	Ladle Metallurgy Furnace Baghouse Dust Storage Silo with a 375 SCFM Bin Vent Dust Collector
015	15 MMBtu/hr Vertical Ladle Preheater



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016	2- 2200 HP Emergency Generator Engines (CI ICE) [The generator engines are subject to Subpart IIII of 40 CFR 60.] Caterpillar Model 3516 Emergency Generator Engine (SI ICE) [The generator engine is subject to Subpart ZZZZ of 40 CFR 63.]
017	Cleaning and Chemical Conversion Coating Process with a 33,187 CFM Scrubber
018	80 HP (203,600 BTU/hr) Natural gas Fired Steam Boiler
19	2- Carbon Storage Silos with Individual Dust Collectors
020	U/X Burnt Lime Silo (Day Bin) with a 7,500 SCFM Baghouse
021	North Burnt Lime Storage Silo with a 9,250 SCFM Baghouse
022	LMF Material Handling Operations with a 15,000 SCFM Baghouse
023	Continuous Rounds Caster and Torch Cut-off Station
024	Continuous Slab Caster and Torch Cut-off Station
025	62.4 MMBtu/hr Austenitizing Furnace
026	34.0 MMBtu/hr Tempering Furnace
	<u>Flat Roll Operation</u>
027	Chemical Cleaning System, Annealing Furnace, Jet Cooler, Galvanizing Pot (Zinc)/Galvalum Pot, Drying Oven, Acrylume Line, Jester Heater/Cooler
028	2- 8.16 MMBtu/hr Natural Gas Fired Boilers

This Permit is issued pursuant to and is conditioned upon the compliance with the provisions of the Jefferson County Board of Health Air Pollution Control Rules and Regulations, the applicable requirements of the Clean Air Act implementation plan for Alabama approved or promulgated by the United States Environmental Protection Agency (EPA) through rulemaking under title I of the Clean Air Act (identified in 40 CFR 52, Subpart B) and other applicable requirements as defined in Section 18.1.1(e) of the Jefferson County Board of Health Rules and Regulations, Section 18 of the Alabama Air Pollution Control Act of 1971, Act No. 769 (Regular Session, 1971), Section 22-28-16 of the Alabama Air Pollution Control Act as amended, Orders of the Jefferson County Board of Health, Orders of the Director of the Alabama Department of Environmental Management (ADEM) and any applicable local, state or federal Court Order. This permit is subject to the accuracy of all information submitted relating to the permit applications and to the conditions appended hereto. It is valid from the date of issuance until the expiration date and shall be posted or kept under file at the source location described above and shall be made readily available for inspection at any reasonable time to any and all persons who may request to see it. This permit is not transferable.

Pursuant to the Clean Air Act, conditions of this permit are federally enforceable by EPA, The Jefferson County Board of Health, ADEM and citizen in general. However, provisions that are not required by the Clean Air Act or under any of its applicable requirements, are considered to be Jefferson County provisions and are not federally enforceable by EPA and citizen in general. Those provisions are contained in separate Sections of this Operating Permit and are specifically identified as not being federally enforceable.



Jonathan Stanton, Director
Environmental Health Services

Approved: Mark E. Wilson, M.D.
Health Officer



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General Permit Conditions

In addition to compliance with Alabama Air Pollution Control Act Number 769 (Regular Session, 1971) and Act Number 612 (Regular Session, 1982) and with all applicable Air Pollution Control Rules and Regulations, the conditions which are listed below are hereby contained in and made a part of this permit. For each citation to a Jefferson County Board of Health regulation provided in connection with a permit condition (other than for those permit conditions that are specifically identified in the permit as not being federally enforceable), Appendix A to this permit identifies the corresponding ADEM regulation that has been approved by EPA as part of the Clean Air Act implementation plan for Alabama (identified in 40 CFR 52, Subpart B). The corresponding ADEM regulations together with the cited Jefferson County Board of Health regulations, serves as origin and authority for the associated permit terms or condition.

	Federally Enforceable Conditions	Regulations
1.	<u>Basis for Permit</u> This permit is issued based on provisions contained in all existing Jefferson County Board of Health Air Pollution Control Rules and Regulations (hereinafter, called "Rules and Regulations"). In the event amendments, revisions or additions are made to these Rules and Regulations, it shall be the responsibility of the permit holder (hereinafter called the "permittee") to comply with such new Rules and Regulations. Additions and revisions to the conditions in this permit will be made by the Jefferson County Department of Health (hereinafter, called the "Department"), if necessary, to assure that the Rules and Regulations are not violated.	AL Act 769
2.	<u>Authority</u> Nothing in this permit or conditions appended thereto shall negate any authority granted to this Department or the Health Officer pursuant to Act No. 769 (Regular Session, 1971) and Act No. 612 (Regular Session, 1982) or any regulations promulgated thereunder.	AL Act 769
3.	<u>Display of Operating Permit</u> A facility which has been granted an operating permit for any article, machine, equipment, or other contrivance shall keep such permit under file or on display at all times at the site where the article, machine, equipment, or other contrivance is located and will make such a permit readily available for inspection by any and all person who may request to see it.	18.2.2
4.	<u>Authority of the Health Officer</u> The Health Officer shall have the authority decide cases where an article, machine, equipment, or other contrivance is not clearly subject to nor exempt from the application of part 18.2.3. The operator of such an article, machine, equipment, or other contrivance may appeal the Health Officer classification to the Board of Health, which shall overrule the Health Officer only if it is shown that he/she acted arbitrarily and contrary to the Act.	18.2.3
5.	<u>Provision of Sampling and Testing Facilities</u> A facility operating or using any article, machine, equipment or other contrivance for which the rules and regulations require a permit shall provide and maintain such sampling and testing facilities as specified in the Operating Permit.	18.2.5
6.	<u>Transfer of Permit</u> This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another or from one person to another except as provided in Subparagraph 18.13.1(a)(5) of the Rules and Regulations.	18.2.6

7.	<p><u>Bypass Prohibited</u></p> <p>Except as provided in this permit, the permittee shall not bypass, without prior approval from this Department, any air pollution control device. The permittee shall not shut down any air pollution control device unless such shutdown is accompanied by the corresponding shutdown of the respective source which the device is intended to control.</p>	18.2.3
8.	<p><u>Maintenance and Malfunctioning of Equipment: Reporting</u></p> <p>A. Maintenance Reporting:</p> <p>In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary, the intent to shutdown such equipment shall be reported to the Director at least 24 hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but not limited to the following:</p> <p>1) Identification of the specific facility to be taken out of service as well as its location and permit number.</p> <p>2) The expected length of time that the air pollution control equipment will be out of service.</p> <p>3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period.</p> <p>4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period.</p> <p>5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period</p> <p>B. Malfunction Reporting:</p> <p>In the event that any emission source, air pollution control equipment, or related facility fails or breaks down in such a manner as to cause the emission of air contaminants in violation of these rules and regulations, the person responsible for such a source, equipment or facility shall notify the Health Officer within 24 hours of such failure or breakdown and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Health Officer shall be notified when the condition causing the failure or breakdown has been corrected and such source, equipment or facility is again in operation.</p>	<p>18.2.3</p> <p>1.12.1</p> <p>1.12.1(a)</p> <p>1.12.1(b)</p> <p>1.12.1(c)</p> <p>1.12.1(d)</p> <p>1.12.1(e)</p> <p>1.12.2</p>
9.	<p><u>Malfunction Report Retention</u></p> <p>The permittee shall maintain records of the occurrence and duration of any start-up, shutdown or malfunction in the operation of the process equipment permitted herein, and any malfunction of the air pollution control equipment. These records shall be kept in a permanent form suitable for inspection in a format approved by this Department and shall be retained at least 5 years following the date of each occurrence. At a minimum, the most recent 2 years of data shall be kept on site. The remaining 3 years of data may be retained off site.</p>	18.2.3
10.	<p><u>Prohibition of Air Pollution</u></p> <p>No person shall permit or cause air pollution, as defined in Part 1.3 by the discharge of any air contaminants for which no ambient air quality standards have been set under Section 1.7.1.</p>	<p>18.2.3</p> <p>1.13</p>

11.	<p><u>Penalties</u></p> <p>A. If the permittee violates any provision of the regulations or violates any determination or order of the Health Officer pursuant to these regulations shall be liable to a penalty not to exceed \$25,000 for said violation and additional penalty not to exceed \$25,000 for each day during which such violation continues, which penalty may be recovered by the Jefferson County Board of Health in a civil action in the circuit court of said county and the permittee may also be enjoined from continuing such violation.</p> <p>B. Any money penalty so recovered shall be deposited in the account of the Air pollution Program of the Jefferson County Department of Health.</p>	<p>18.2.3</p> <p>1.14.1</p> <p>1.14.2</p>
12.	<p><u>Cancellation of Applications</u></p> <p>A permit authorizing construction shall expire and the application shall be cancelled two years from the date of issuance of the permit if the construction has not begun</p>	<p>18.2.3</p> <p>2.2.1(b)</p>
13.	<p><u>Circumvention</u></p> <p>The permittee shall not cause or permit the installation or use of any devices or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminants which would otherwise violate these rules and regulations.</p>	<p>18.2.3</p> <p>1.15</p>
14.	<p><u>Acceptance of Permit</u></p> <p>The Health Officer may issue an Operating Permit subject to conditions which will bring the operation of any article, machine, equipment, or contrivance within the standards of Paragraph 18.2.8(a) of the Rules and Regulations in which case the conditions shall be specified in writing. Commencing construction or operation under such an Operating Permit shall be deemed acceptance of all the conditions specified. The Health Officer may issue an Operating Permit with revised conditions may be issued upon receipt of a new application, if the applicant demonstrates that the article, machine, equipment, or other contrivance can operate within the standards of Paragraph 18.2.8(a) of the Rules and Regulations under the revised conditions.</p>	<p>18.2.4</p>
15.	<p><u>Denial of Operating Permit</u></p> <p>a) The Health Officer shall deny an Operating Permit if the permittee does not show that every article, machine, equipment, or other contrivance, the use of which may cause the issuance of contaminants, is so designed, controlled, or equipped with such air pollution control equipment, that is expected to operate without emitting or without causing to be emitted air contaminants in violation of the rules and regulations.</p> <p>b) The Health Officer shall deny an Operating Permit if the permittee does not present, in writing, a plan whereby the emission of air contaminants by every article, machine, equipment, or other contrivance described in the permit application, will be reduced during periods on of an air Pollution Alert, Air Pollution Warning and Air Pollution Emergency in accordance with the provisions of Chapter 4 of the Rules and Regulations where such plan is required.</p>	<p>18.2.8(a)</p> <p>18.2.8(b)</p>
16.	<p><u>Providing and Maintaining Sampling and Testing Facilities</u></p> <p>Before an operating permit is granted, the Health Officer may require the applicant to provide and maintain such facilities as are necessary for sampling and testing purposes in order to secure information that will disclose the nature, extent, quantity or degree of air contaminants discharged into the atmosphere from the article, machine, equipment, or other contrivance described in the Operating Permit. In the event of such a requirement, the Health Officer shall notify the applicant in writing of the required size, number, and location of the sampling platform; the access to the sampling platform; and the utilities for operating the sampling and testing equipment. The Health officer may also require the applicant to install, use, and maintain such monitoring equipment or methods, including enhanced monitoring methods prescribed under Section 504(b) or Section 114(a)(3); sample such emissions in</p>	<p>18.2.8(c)</p>

	accordance with such methods, at such locations, intervals, and procedures as may be specified; and provide such information as the Health Officer may require.	
17.	<p><u>Additional Information</u></p> <p>Before acting on an application for an operating Permit, the Health Officer may require the applicant to furnish further information or further plans or specifications</p>	18.2.8(d)
18.	<p><u>Construction not in accordance with Applications</u></p> <p>If the source permitted herein has not been constructed in accordance with the Operating Permit application and if the changes noted are of a substantial nature in that the amount of air contaminants emitted by the source may be increased or in that the effect is unknown, then the permit shall be revoked. No further application for an Operating Permit shall be accepted until the source has been reconstructed in accordance with the permit or until the permittee has proven to the Department that the change will not cause an increase in the emission of air contaminants.</p>	18.2.8(e)
19.	<p><u>Testing</u></p> <p>A source emissions test may be required by this Department at any time. The methods for such testing shall be in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations.</p>	18.2.3
20.	<p><u>Notice of Testing</u></p> <p>The permittee shall notify this Department in writing at least 2 weeks prior to the actual conduction of any required source emissions compliance test. This notice shall state the source to be tested, the proposed time of the test, and the testing date(s).</p>	18.2.3
21.	<p><u>Test Results</u></p> <p>The permittee shall submit the results of all required emissions tests in duplicate in bound copies to this Department within a time period specified by this Department; however, not to exceed 30 days from the test completion date.</p>	18.2.3
22.	<p><u>Maintenance of Controls</u></p> <p>A. The permittee shall equip each fabric filter particulate matter control device with a pressure differential measuring device to measure pressure drop across the filter media in the control device. This device shall be installed in a location which is easily accessible for inspection by personnel of this Department.</p> <p>B. All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in accordance with the manufacturer's specifications or alternative procedures approved by the Department so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be maintained near the source and provided to the Department upon request.</p> <p>C. The permittee shall conduct routine inspections on all required control equipment. All inspection results and repair works performed on the pollution control device shall be recorded. These records shall be retained in a permanent form suitable for inspection in a format approved by the Department for at least 5 years following the date of each occurrence. At a minimum, the most recent 2 years of data shall be kept on site. The remaining 3 years of data may be retained off site.</p>	18.2.3

23.	<p><u>Revocation of Operating Permits</u></p> <p>This Operating Permit may be revoked for any of the following causes;</p> <ul style="list-style-type: none"> A. Failure to comply with any conditions of the permit; B. Failure to establish and maintain such records, make such reports, install, use and maintain such monitoring equipment or methods; and sample such emissions in accordance with such methods at such locations, intervals and procedures as may be prescribed in accordance with Section 1.9.2 of the Rules and Regulations; C. Failure to comply with any provisions of any Department administrative order issued concerning the permitted Stationary Source of facility. D. Failure to allow employees of the Department upon proper identification to: <ul style="list-style-type: none"> i) Enter any premises where any article, machine, equipment, or other contrivance described in Section 18.3.1 is located or in which any records are required to be kept under provisions of the permit and/or these rules and regulations; ii) Have access to and copy any records required to be kept provisions of the permit and/or these rules and regulations; iii) Inspect any monitoring equipment or practices being maintained pursuant to the permit and/or these rules and regulations; and iv) Have access to and sample any discharge of air contaminants resulting directly or indirectly from the operation of any article, machine, equipment, or other contrivance described in Section 18.3.1. E. Failure to comply with the Rules and Regulations. F. For any other cause, after a hearing which establishes, in the judgment of the Department, that continuance of the permit is not consistent with the purpose of the Act or these rules and regulations. 	<p>18.2.9</p> <p>18.2.9(a)</p> <p>18.2.9(b)</p> <p>18.2.9(c)</p> <p>18.2.9(d)</p> <p>18.2.9(d)(1)</p> <p>18.2.9(d)(2)</p> <p>18.2.9(d)(3)</p> <p>18.2.9(d)(4)</p> <p>18.2.9(e)</p> <p>18.2.9(f)</p>
24.	<p><u>Fugitive Dust</u></p> <p>A. The permittee shall take reasonable precautions to prevent dust from any operations, process, material handling and storage, transportation activity (including dust from paved and unpaved roads), or construction activity (including but not limited to the use, repair, alteration, and demolition of buildings) at the facility from becoming airborne.</p> <p>B. The permittee shall not cause or allow the discharge of visible emissions which travel beyond the property line of the facility.</p> <p>C. When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance or to violate any rules and regulation, the Health Officer may order that the building or equipment in which processing, handling and storage are done be tightly closed and Ventilated in such a way that all air and gases and air and gas-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.</p> <p>Air borne fugitive dust emissions shall be prevented and addressed as needed and as appropriate to weather conditions using any or all of the following pre-approved control measures specific to the following sources of fugitive dust;</p>	<p>6.2.1</p> <p>6.2.2</p> <p>6.2.3</p> <p>18.2.3</p>

	<ol style="list-style-type: none"> 1. Paved areas subject to vehicle and heavy equipment traffic; 2. Use of vacuum truck on paved surfaces; 3. Storage of slag in a building enclosure with a roof, paved floor, and walls sufficient to minimize wind penetration while affording access for handling; 4. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures and during construction operations; and 5. Adequate containment methods shall be employed during sand blasting or similar operations. Other dust control methods not listed above may be used subject to Department's approval. 	
25.	<p><u>Permit Application Requirements (Renewal)</u></p> <p>An application for renewal shall be submitted at least six (6) months before the date of permit expiration, unless a longer period (not to exceed 18 months) is specified in the permit.</p>	<p>18.4</p> <p>18.4.3</p>
26.	<p><u>Operation without a Permit</u></p> <p>A source may operate without a permit under Chapter 18 of the rules and regulations between the date the application has been deemed complete and the date of the final permit issued, provided that the applicant submits any requested additional material by the deadline(s) specified by the Department.</p>	18.4.6
27.	<p><u>Duty to Supplement or Correct an Application</u></p> <p>A source must submit additional information to the Department to supplement or correct an application promptly after becoming aware of the need for additional or corrected information. Also, a source must supply to the Department additional information concerning any new requirements which have become applicable after a complete application has been filed but before a draft permit is released</p>	18.4.7
28.	<p><u>Standard Application Forms and Required Information</u></p> <p>A. Identifying information, including company name and address (or plant name and address if different than the company name), owner's name and agent, and telephone number and names of plant site manager/contact;</p> <p>B. A description of the source's processes and product (by four-digit Standard Industrial Classification Code), including any processes products associated with each alternate scenario that is identified by the source and a list of insignificant sources and the basis for the determination(s).</p>	<p>18.4.8</p> <p>18.4.8(a)</p> <p>18.4.8(b)</p>
29.	<p><u>Emission Related Information (To be Provided by the Source)</u></p> <p>A. A list of all emission of pollutants for which the source considered to be major and a list of all emissions of regulated air pollutants. The permit application shall describe all emissions of regulated air pollutants emitted from any emissions unit, except where units are exempted under Part 18.4 of the rules and regulations. The source shall submit additional information related to the emissions of air pollutants sufficient to verify which requirements are applicable to the source, and other information necessary to determine the amount any permit fees owed under the fee schedule approved pursuant to Part 16.4 of Chapter 16 of the rules and regulations.</p> <p>B. Emission rates of all pollutants in tons per year (tpy) and in such terms are necessary to establish compliance consistent with the applicable standard, reference test method or alternative method approved by the Health Officer.</p> <p>C. Limitations that will be placed on the source's operation so as to affect emissions or any work practice standards that will be implemented, where applicable, for all regulated pollutants.</p>	<p>18.4.8(c)</p> <p>18.4.8(c)(1)</p> <p>18.4.8(c)(3)</p> <p>18.4.8(c)(6)</p>

	D. Any other information that may be required to address other applicable requirements (including, but not limited to, information relating to stack height limitations developed pursuant to Section 123 of the Act).	18.4.8(c)(7)
30.	<u>Trivial/ Insignificant Activities [as defined in Paragraph 18.1.1(o)]</u> Insignificant activities shall not necessarily be listed in the permits issued pursuant to the provisions of Chapter 18 of the regulations, provided they are listed in the permit application, and they are not expected to violate any generally applicable requirements listed in the permit. Trivial activities shall not be the subject to the provisions of Chapter 18 of the rules and regulations.	18.4.8(c)(9) 18.4.8(c)(9)(i) 18.4.8(c)(9)(ii)
31.	<u>Air Pollution Control Requirements</u> a) Citations and descriptions of all applicable statutory and administrative code requirements, and b) A description of or reference to any applicable test methods for determining compliance with each applicable, statutory or administrative code requirement.	18.4.8(d)(1) 18.4.8(d)(2)
32.	<u>Compliance Plan for the Source</u> The compliance plan shall contain the following: A. A description of the compliance status of the source with respect to all applicable requirements and a compliance schedule. B. A statement that the source will continue to comply with all regulatory requirements that it is now in compliance with; C. A statement that the source will, on timely basis, meet such requirements that will become effective during the permit term unless a more detailed schedule is expressly required by the applicable requirements; D. A narrative description of how the source will achieve compliance with requirements for which the source is not in compliance at the time of the permit issuance with a compliance schedule for the source. Any schedule shall include a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with any applicable requirements for which the source will be in noncompliance at the time of permit issuance. The compliance schedule shall be as stringent as any compliance schedule that is contained in any judicial consent decree or administrative order to which the source is subject. Any schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. E. A schedule for submission of certified progress reports no less frequently than every 6 months for sources required to have a schedule of compliance to remedy a violation.	18.4.8(h) 18.4.8(h)(1) 18.4.8(h)(2) 18.4.8(h)(3) 18.4.8(h)(4) 18.4.8(h)(5)
33.	<u>A Compliance Certification</u> A compliance certification shall include the following: A) A certification of compliance with all applicable requirements by a responsible official consistent with Section 18.4.9 of Chapter 18 and Section 114(a)(3) of the Act as it relates to the enhanced monitoring requirements; B) A statement of methods used for determining compliance, including a description of monitoring, record keeping, and reporting requirements and test methods; C) A schedule for submission of compliance certifications during the permit term, which shall be submitted annually, or more frequently if required by the underlying applicable requirement or by the Department; and	18.4.8(i) 18.4.8(i)(1) 18.4.8(i)(2) 18.4.8(i)(3)

	D) A statement indicating the source's compliance status with any applicable enhanced monitoring and compliance certification requirements of the Act.	18.4.8(i)(4)
34.	<p><u>Certification of Truth, Accuracy and Completeness</u></p> <p>Any application form, report, or compliance certification submitted pursuant to Chapter 18 of the Rules and Regulations shall contain certification by a responsible official of truth accuracy, and completeness. This certification and any other certification required under Chapter 18 shall state that, based on the information and belief formed after reasonable inquiry, the statement and information in the document are true accurate, and correct.</p>	18.4.9
35.	<p><u>Duration of Operating Permit</u></p> <p>A. The department shall issue permits for a fixed period of five years.</p> <p>B. Permits which are issued for new emission units before the units become operational shall be effective five years after operation of the unit commences.</p>	<p>18.5.2</p> <p>18.5.2(a)</p> <p>18.5.2(c)</p>
36.	<p><u>Monitoring and Record Keeping Requirements</u></p> <p>A. Permittee shall contain the following requirements with respect to monitoring:</p> <p>B. All emissions monitoring and analysis procedures or test methods required under the applicable requirements, including any procedures and methods promulgated pursuant to Section 114(a)(3) or 504(b) of the Act:</p> <p>C. Where the applicable requirement does not require periodic testing or instrumental or non-instrumental monitoring(e.g. record keeping designed to serve as monitoring), periodic monitoring sufficient to yield reliable data from the relevant time period that is representative of the source's compliance with the permit, as reported pursuant to Paragraph 18.5.3(c) of the regulation. Such monitoring requirements assure use of terms, test methods, units averaging periods, and other statistical conventions consistent with the applicable requirement. In certain instances record keeping provisions may be sufficient to meet the requirements in Paragraph 18.5.3(a)(2).</p> <p>D. As necessary, information concerning the use, maintenance, and, where appropriate, installation of monitoring equipment or methods</p>	<p>18.5.3</p> <p>18.5.3(a)</p> <p>18.5.3(a)(1)</p> <p>18.5.3(a)(2)</p> <p>18.5.3(a)(3)</p>
37.	<p><u>Record keeping and Records of Required Monitoring Information</u></p> <p>Records of required for monitoring information of the source that include the following:</p> <p>A. The date, place, and time of all sampling or measurements;</p> <p>B. The date(s) analysis were performed;</p> <p>C. The company or the entity performed the analyses;</p> <p>D. The analytical techniques or methods used;</p> <p>E. The results of all analyses; and</p> <p>F. The operating conditions that existed at the time of sampling or measurement.</p>	<p>18.5.3(b)</p> <p>18.5.3(b)(1)</p> <p>18.5.3(b)(1)(i)</p> <p>18.5.3(b)(1)(ii)</p> <p>18.5.3(b)(1)(iii)</p> <p>18.5.3(b)(1)(iv)</p> <p>18.5.3(b)(1)(v)</p> <p>18.5.3(b)(1)(vi)</p>
38.	<p><u>Retention of Records</u></p> <p>Retention of records of all required monitoring data and support information of the source shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	18.5.3(b)(2)

39.	<u>Monitoring Reports Submittal</u> The permittee shall submit reports to the Department of any required monitoring at least every 6 months (by January 31 and July 31). All instances of deviations from permit requirements must be clearly identified in such reports. All reports must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	18.5.3(c)(1)
40.	<u>Reporting Deviations</u> The permittee shall report deviations from permit requirements 2 working days such deviations, including those attributable to upset conditions as defined in the permit, the probable cause of said deviations, and any corrective actions or preventive measures that were taken.	18.5.3(c)(2)
41.	<u>Severability</u> In the event a portion(s) of the permit is successfully challenged by any court of competent jurisdiction, the judgement shall not affect, impair, or invalidate the remainder of the applicable permit conditions.	18.5.5 1.16
42.	<u>Compliance with all Conditions</u> The permittee must comply with all conditions of the Rules and Regulations. Noncompliance with a permit condition will constitute a violation of the Act and the Rules and Regulations and may result in enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the source.	18.5.6
43.	<u>Compliance Defense</u> The permittee shall not use as a defense in an enforcement action, that maintaining compliance with permit conditions would have required halting or reducing the permitted activity.	18.5.7
44.	<u>Termination for Cause</u> This permit 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 a planned change or anticipated noncompliance will not stay any permit condition.	18.5.8
45.	<u>Property Rights</u> No property rights of any sort or any exclusive privilege are conveyed through the issuance of this permit.	18.5.9
46.	<u>Furnishing Requested Information</u> The permittee shall furnish to the Department, within 30 days or other such reasonable time as the Department may set, any information that the Department 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 receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by the permit.	18.5.10
47.	<u>Fees</u> The permittee shall have paid all fees including emission fees required by the Rules and Regulations or the permit is not valid.	18.5.11

48.	<p><u>Economic Incentives</u></p> <p>No permit revision shall be required under any approved economic incentives, marketable permit emissions trading and other similar programs or processes for changes that are provided for in the permit.</p>	18.5.12
49.	<p><u>Reasonably Anticipated Alternative Operating Scenarios</u></p> <p>The permittee shall quantify the terms and conditions for reasonably alternative operating scenarios that were identified by the source in its application and are acceptable to the Department shall:</p> <p>A. The permittee shall make a change contemporaneously from one operating scenario to another in a log at the permitted facility a record of the scenario under which it is operating.</p> <p>B. The permittee shall ensure that the terms and conditions of each such alternative operating scenario meet all applicable requirements of this permit, as well as, the Rules and Regulations.</p>	<p>18.5.13</p> <p>18.5.13(a)</p> <p>18.5.13(b)</p>
50.	<p><u>Compliance Requirements</u></p> <p><u>Compliance Certification</u></p> <p>A. Compliance certification, testing, monitoring, reporting, and record keeping requirements sufficient to assure compliance with the terms and conditions of the permit. Any document (including reports submitted by the source (permittee) that is required in a permit shall contain a certification by a responsible official that meets the requirements of section 18.4.9 of these regulations.</p> <p>B. Inspection and entry requirements that mandate that the permittee shall allow the Department or an authorized representative, upon presentation of credentials and other documents that may be required by law, to conduct the following:</p> <p>i) Enter upon the permittee's premises where a source is located or emissions related activity is conducted or where records are kept pursuant to the permit conditions;</p> <p>ii) Review and/or copy at reasonable times any records kept pursuant to the permit conditions;</p> <p>iii) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required pursuant to the permit; and</p> <p>iv) Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements.</p> <p><u>Schedule of Compliance</u></p> <p>C. A schedule of compliance consistent with Paragraph 18.4.8(h) of the regulations.</p> <p><u>Progress Reports</u></p> <p>D. Progress reports consistent with the applicable schedule of compliance and Paragraph to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the Department. Such progress reports shall contain the following:</p> <p>i) Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and/or dates when such activities, milestones or compliance was achieved;</p> <p>ii) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measure adopted.</p>	<p>18.7</p> <p>18.7.1</p> <p>18.7.2</p> <p>18.7.2(a)</p> <p>18.7.2(b)</p> <p>18.7.2(c)</p> <p>18.7.2(d)</p> <p>18.7.3</p> <p>18.7.4</p> <p>18.7.4(a)</p> <p>18.7.4(b)</p>

51.	<p><u>Requirements for Compliance Certification with terms and conditions</u></p> <p>Requirements for compliance certification with terms and conditions contained in the permit, including emission limitations, standards, or work practices.</p> <p>The frequency of submissions of compliance certifications, which shall be at least annually unless more frequent periods are specified according to the specific rule governing the source or required by the Department (A compliance certification shall be submitted annually within 30 days of the anniversary of the initial issue date).</p> <p>A means for monitoring the compliance of the source with its emissions limitations, standards, and work practices in accordance with Section 18.5.3.</p> <p>A. The compliance certification shall include the following:</p> <ol style="list-style-type: none"> 1. The identification of each term or condition of the permit that is the basis of the certification 2. The current compliance status; 3. Whether compliance has been continuous or intermittent during the reporting period; 4. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Section 18.5.3; and 5. Such other facts as the Department may require to determine the compliance status of the source. <p>B. The compliance certification shall be signed by the responsible official and be submitted to:</p> <p style="text-align: center;">Jefferson County Department of Health Air and Radiation Protection Division P.O. Box 2648 Birmingham, Alabama 35202-2648</p> <p style="text-align: center;">and to</p> <p style="text-align: center;">EPA Region IV Air & EPCRA Enforcement Branch Air, Pesticides, and Toxics Management Division 61 Forsyth Street, SW Atlanta, Georgia 30303</p>	<p>18.7.5</p> <p>18.7.5(a)</p> <p>18.7.5(b)</p> <p>18.7.5(c)</p> <p>18.7.5(c)(1)</p> <p>18.7.5(c)(2)</p> <p>18.7.5(c)(3)</p> <p>18.7.5(c)(4)</p> <p>18.7.5(c)(5)</p> <p>18.7.5(d)</p> <p>18.4.9</p>
52.	<p><u>Temporary Sources</u></p> <p>A single permit may be issued authorizing emissions from similar operations by the same source owner or operator at multiple temporary locations. The operation must be temporary and involve at least one change of location during the term of the permit. No affected source shall be permitted as a temporary source. Permits for temporary sources shall include the following;</p> <p>A) Condition that will assure compliance with all applicable requirements at all authorized locations;</p> <p>B) Requirements that the owner or operator notify in writing the permitting authority at least ten days in advance of each change in location; and</p> <p>C) Conditions that assure compliance with all other provisions in Section 18.9.1.</p>	<p>18.9</p> <p>18.9.1</p> <p>18.9.1(a)</p> <p>18.9.1(b)</p> <p>18.9.1(c)</p>

53.	<p><u>Permit Shield</u></p> <p>A. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:</p> <ol style="list-style-type: none"> Such applicable requirements are included and are specifically identified in the permit; or The Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof. <p>B. An Operating permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.</p> <p>C. Nothing in this operating permit shall alter or affect the following:</p> <ol style="list-style-type: none"> The provisions of Section 303 of the Act (emergency orders), including the authority of the Health Officer under that section; 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; The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act; or The ability of EPA to obtain information from a source pursuant to Section 114 of the Act. 	<p>18.10</p> <p>18.10.1</p> <p>18.10.1(a)</p> <p>18.10.1(b)</p> <p>18.10.2</p> <p>18.10.3</p> <p>18.10.3(a)</p> <p>18.10.3(b)</p> <p>18.10.3(c)</p> <p>18.10.3(d)</p>
54.	<p><u>Exceptions to Violations of Emissions Limits</u></p> <p>The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change. For emission limits established by federal rules (e.g., NSPS, NESHAP, and MACT) exemptions may be granted only where provisions for such exemptions are contained in the applicable rule or its general provisions.</p>	<p>18.11.1</p>
55.	<p><u>Emergency Provision</u></p> <p>A. 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 emissions 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.</p> <p>B. Exceedances of emission limits during emergencies (as defined above) at a facility may be exempted from being violations provided that:</p> <ol style="list-style-type: none"> The permittee can identify the cause(s) of the emergency; At the time of the emergency, the permitted facility was being properly operated; 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; 	<p>18.11.2(a)</p> <p>18.11.2(b)</p> <p>18.11.2(b)(1)</p> <p>18.11.2(b)(2)</p> <p>18.11.2(b)(3)</p>

	<p>4. The permittee submitted notice of the emergency to the Health Department within 2 working days of the time when emission limitations were exceeded due to the emergency. Such notice shall include those deviations attributable to upset conditions as defined in the permit, the probable cause of said deviations, and any corrective actions or preventive measures that were taken. Within 5 working days of the emergency, a written documentation of what was reported in the notice of the emergency shall be submitted to the Department; and</p> <p>5. The permittee immediately documented the emergency exceedance in an "Emergency Log", which shall be maintained for 5 years in a form suitable for inspection upon request by a representative of the Department.</p> <p>C. The Health Officer shall be the sole determiner of whether an emergency has occurred.</p> <p>D. This provision is in addition to any emergency or upset provision contained in any applicable requirement.</p> <p>E. An emergency constitutes an affirmative defense</p>	<p>18.11.2(b)(4)</p> <p>18.11.2(b)(5)</p> <p>18.11.2(c)</p> <p>18.11.2(d)</p> <p>18.11.2(e)</p>
56.	<p><u>Permit Renewals</u></p> <p>A. Permit application renewal shall be subject to the same procedural requirements, including those for public participation, and affected State, ADEM, and EPA review, that apply to the initial issuance under Chapter 18 of the Rules and Regulations.</p> <p>B. A source's right to operate shall terminate upon the expiration of its permit unless a timely and complete renewal application has been submitted at least 6 months, but not more than 18 months, before the date of expiration or the department has taken final action approving the source's application for renewal by the expiration date.</p> <p>C. If a timely and complete application for a permit renewal is submitted, but the Department fails to take final actions to issue or deny the renewal permit before the end of the term of the previous permit, then the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.</p>	<p>18.12.2</p> <p>18.12.2(a)</p> <p>18.12.2(b)</p> <p>18.12.2(c)</p>
57.	<p><u>Permit Modifications or Amendments (Administrative)</u></p> <p><u>Administrative</u></p> <p>An administrative permit amendment is a permit revision that:</p> <p>i) Corrects typographical errors;</p> <p>ii) Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source ;</p> <p>iii) Requires more frequent monitoring or reporting by the permittee ; and</p> <p>iv) Incorporates a general permit into an operating permit.</p> <p>v) Allows for a change in ownership or operational control of a source where the Department determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Department;</p> <p>vi) Incorporates any other type of change which the Department has determined, and the Health Officer has approved as part of an approved operating permit program to be similar to those in Subparagraphs 18.13.1(a)(1) through (5).</p> <p>An administrative permit amendment may be made by the Department consistent with the following:</p> <p>i) The Department shall take no more than 60 days from receipt of a request for an administrative permit amendment to take final action on such request, and may incorporate such changes without</p>	<p>18.13</p> <p>18.13.1</p> <p>18.13.1(a)</p> <p>18.13.1(a)(1)</p> <p>18.13.1(a)(2)</p> <p>18.13.1(a)(3)</p> <p>18.13.1(a)(4)</p> <p>18.13.1(a)(5)</p> <p>18.13.1(a)(7)</p> <p>18.13.1(c)</p> <p>18.13.1(c)(1)</p>

	<p>providing notice to the public or affected State provided that it designates any such permit revisions as having been made pursuant to Section 18.13.1.</p> <p>ii) The Department shall submit a copy of the revised permit to the EPA and to ADEM.</p> <p>iii) The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.</p>	<p>18.13.1(c)(2)</p> <p>18.13.1(c)(3)</p>
58.	<p><u>Flexibility (i.e., 502(b)(10) Changes</u></p> <p>Modification which are not modifications under Title I of the Act, that contravene an existing permit condition and do not exceed emissions allowable under the permit can be done without modifying the permit if:</p> <p>A) Written notification is given that describes the proposed change, the date of change, any change in emissions, and any terms or condition of the permit which is no longer valid due to the change; and</p> <p>B) Notice is given to the Department and EPA at least 7 days before the change is made.</p>	<p>18.13.2</p> <p>18.13.2(a)</p> <p>18.13.2(b)</p>
59.	<p><u>Minor Permit Modifications or Amendments Procedures</u></p> <p>Criteria.</p> <p>Minor permit modification procedures may be used only for those permit modifications that:</p> <p>A. Do not violate any applicable requirement;</p> <p>B. Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit;</p> <p>C. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;</p> <p>D. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:</p> <p>1. A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of title I of the Act; and</p> <p>2. An alternative emissions limit approved pursuant to regulations promulgated under Section 112(i)(5) of the Act;</p> <p>E. Are not modifications under any provision of title I of the Act; and</p> <p>F. Are not required by Section 18.13.4 of the Rules and Regulations to be processed as a significant modification.</p> <p>G. Notwithstanding Subparagraph 18.13.3(a)(1) of the regulation, minor permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in an applicable implementation plan or in applicable requirements promulgated by EPA.</p> <p>Application.</p> <p>An application requesting the use of minor permit procedures shall meet the requirements of Section 18.4.8 of Chapter 18 of the regulation relative to the modification shall include the following:</p>	<p>18.13.3</p> <p>18.13.3(a)</p> <p>18.13.3(a)(1)</p> <p>18.13.3(a)(1)(i)</p> <p>18.13.3(a)(1)(ii)</p> <p>18.13.3(a)(1)(iii)</p> <p>18.13.3(a)(1)(iv)</p> <p>18.13.3(a)(1)(iv)(A)</p> <p>18.13.3(a)(1)(iv)(B)</p> <p>18.13.3(a)(1)(v)</p> <p>18.13.3(a)(1)(vi)</p> <p>18.13.3(a)(2)</p> <p>18.13.3(b)</p>

	A) A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;	18.13.3(b)(1)
	B) The source's suggested draft permit;	18.13.3(b)(2)
	C) Certification by a responsible official, consistent with Section 18.4.9 of the regulation that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and	18.13.3(b)(3)
	D) Completed forms for the Department to use to notify the Health Officer and ADEM as required under part 18.15 of Chapter 18 of the regulation.	18.13.3(b)(4)
	EPA, ADEM Notification.	
	Within 5 working days of receipt of a complete permit modification application, the Department shall notify the Administrator, ADEM of the requested permit modification. The Department promptly shall send any notice of refusal to accept any recommendations made by the Administrator, ADEM or the Administrator.	18.13.3(c)
	Timetable for Issuance.	18.13.3(d)
	The Department may not issue a final permit modification until EPA's 45-day review period or until EPA has notified the Department that EPA will not object to issuance of the permit modification, whichever is first. Within 90 days of the Department's receipt of an application under minor permit modification procedures or 15 days after the end of the Administrator's 45-day review period under Section 18.15.3, whichever is later, the Department shall:	
	A) Issue the permit modification as proposed;	18.13.3(d)(1)
	B) Deny the permit modification application;	18.13.3(d)(2)
	C) Determine that the requested modification does not meet the minor permit modification; or	18.13.3(d)(3)
	D) Revise the draft permit modification and transmit to the Administrator the new proposed permit modification as required by Section 18.15.1 of Chapter 18 of the regulation.	18.13.3(d)(4)
	Source's Ability to make Change.	18.13.3(e)
	A) Ten days after the application has been submitted to the Department, the source may make the change for which they applied unless the change does not qualify as a minor modification. After the source makes the change allowed by the preceding sentence, and until the Department takes any of the actions specified in Subparagraphs 18.13.3(d)(1) through (4), the source must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time period, the source need to comply with its proposed permit terms and conditions it seeks to modify. However, if the source fails to comply with its proposed permit terms and conditions it seeks to modify may be enforced against it.	18.13.3(e)(1)
	B) If the Department notifies the source that the modification does not qualify as a minor modification within 10 days after receiving the application, then the source shall apply for the change as a significant modification.	18.13.3(e)(2)
	The permit shield under Part 18.10 shall not be extended to minor permit modifications.	18.13.3(f)
60.	<u>Significant Modifications</u> Modifications that are significant modifications under the PSD (Part 2.4) or non-attainment (Part 2.5) of the regulations or are modifications under the NSPS or NESHAPS shall be incorporated in the Operating Permit using the requirements for sources initially applying for an Operating Permit,	18.13.4

	including those for applications, public participation, review by affected States, review by ADEM, and review by EPA, as described in Parts 18.4 and 18.14 of the Rules and Regulations.	
61.	<p><u>Reopening for Cause</u></p> <p>Each issued permit shall include provisions specifying the conditions under which the permit will be reopened prior to the expiration of the permit. A permit shall be reopened and revised under any of the following circumstances</p> <p>A. Additional applicable requirements under the Clean Air Act of 1990 (hereinafter, called the "Act") become applicable to the permittee with a remaining permit term of 3 or more years. Such a reopening shall not be completed later than 18 months after promulgation of the applicable requirements. No such reopening is required if the effective date of the requirement is later than the date of which this permit is due to expire.</p> <p>B. Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>C. The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>D. The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	<p>18.13.5</p> <p>18.13.5(a)</p> <p>18.13.5(a)(1)</p> <p>18.13.5(a)(2)</p> <p>18.13.5(a)(3)</p> <p>18.13.5(a)(4)</p>
62.	<p><u>Off-Permit Changes</u></p> <p>A. Any change at a source holding an operating permit which is not addressed or prohibited in the federally enforceable terms and conditions of the permit may be designated by the owner or operator as an off-permit change, and may be made without revision to the federally enforceable terms and conditions of the operating permit, provided that the change:</p> <p>1) Shall meet all applicable requirements;</p> <p>2) does not violate any federally enforceable permit terms or condition;</p> <p>3) is not subject to any requirement or standard under Title IV of the Clean Air Act ; and</p> <p>4) is not a modification under Title I</p> <p>B. Any application pertaining to a change designated by the applicant as an off-permit change shall be submitted by the applicant to EPA in fulfillment of the obligation to provide written notice, provided, that that no change meeting the criteria for an insignificant or trivial activity is subject to the procedures set forth in 18.14 of the Rules and Regulations.</p>	<p>18.14</p> <p>18.14.1</p> <p>18.14.1(a)</p> <p>18.14.1(b)</p> <p>18.14.1(c)</p> <p>18.14.1(d)</p> <p>18.14.4</p>
63.	<p><u>Inspections</u></p> <p>The Health officer or his authorized representative may enter and inspect any property, premises, or place on or which an air contaminant source is located or is being constructed, installed, or established at any reasonable time for the purpose of ascertaining the state of compliance with the regulations. No person shall refuse or entry or access to the Health officer or his authorized representative who request entry for purposes of inspection, and who presents appropriate credentials; nor shall any person obstruct, hamper or interfere with any such inspection. If requested, the owner or operator of the premises shall receive a report setting forth all facts found which relate to compliance status.</p>	<p>18.2.3</p> <p>1.8</p>
64.	<p><u>New Air Pollution Sources</u></p> <p>A new permit application shall be made for new sources, replacements, alterations or design changes which may result an increase in air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.</p>	<p>18.2.3</p>

65.	<p><u>MACT Standards Applicability</u></p> <p>EPA has determined that a major source which takes an enforceable limit on its Potential to Emit (PTE) and takes measure to bring its HAP emissions below the applicable becomes an area source, no matter when the source may choose to take measures to limit its PTE. That source, now having area source status, will not be subject thereafter to those requirements applicable to the source as a major source under CAA Section 112, including in particular major source MACT standards so long as the source's PTE remains below the applicable HAP emission threshold. This is in accordance with the January 25, 2018 Memorandum by Mr. William I Wehrum, Assistant Administrator, United States Environmental Protection Agency and published in Federal Register/Vol. 83, No.27/Thursday, February 8, 2018.</p> <p>Foot Note.</p> <p>Standards for major source are based on Maximum Achievable Control Technology (MACT), which is the level of control achieved by the best controlled source in the category [Ref. 42 U.S.C. §7412(d)(2). (d) (3). Standards for area sources may be based on MACT, but alternatively may be based on either generally available control technology (GACT) or generally available management practice to reduce HAP emissions [Ref. Id 42 U.S.C. §7412(d)(2). (d) (5)].</p>	18.2.3
66.	<p><u>Prevention of Accidental Releases</u></p> <p>The permittee shall comply with the applicable requirements of Section 112 (r) of the Act to prevent accidental releases and to minimize the consequences any such release of any substance listed pursuant to Paragraph (3) of Section 112 (r), as the same may be amended or revised, or any other extremely hazardous substance.</p>	18.2.3
67.	<p><u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances such as chlorofluorocarbons and hydrochlorofluorocarbons listed as refrigerants in 40 CFR 82, Subpart A and Subpart B, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR 82, Subpart F.</p> <p>A. No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any such device except as provided in 40 CFR 82, Subpart F.</p> <p>B. The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the U.S. EPA and the Department as required.</p>	<p>40 CFR 82</p> <p>18.1.1(e)(10)</p> <p>18.1.1(w)(4)</p>
68.	<p><u>Asbestos</u></p> <p>Demolition and renovation activities at this facility are subject to the National Emission Standard for Asbestos, Subpart M of 40 CFR 61. To determine the applicable requirements of the Standard, the permittee must thoroughly inspect the affected part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II nonfriable asbestos-containing materials, prior to the commencement of the demolition or renovation operation. The permittee shall comply with all applicable sections of the Standard, including notification requirements, emission control and waste disposal procedures. The permittee shall also ensure that anyone performing asbestos-related work at the facility is trained and certified according to the Alabama Department of Environmental Management's regulations for Asbestos Contractor certification.</p>	<p>40 CFR 61</p> <p>14.2.12</p> <p>14.2.12(a)(1)</p>

69.	<u>Annual Emissions Calculations</u> The permittee shall make calculations of the previous year's actual emissions (point and fugitive) of all regulated air pollutants, as defined in Chapter 18 of the Rules and Regulations that emanate from the facility. This shall include, but is not limited to, TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, VOCs, and HAPs incorporating each emissions unit's production data. The calculations shall indicate the emissions from each emissions unit permitted, and shall include the fugitive emissions from on-site vehicular traffic, the combustion of all motor fuels (diesel, gasoline, natural gas), and cooling towers. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3
70.	<u>Previously Issued Permits</u> All permits previously issued to the facility shall be considered void immediately after issuance of this permit. The permittee shall return all void permits to the Department soon after receiving the new Permit.	18.2.3

Facility No.	Emissions Unit No.	Emissions Unit Description
0371	003	340 MMBtu/hr Bloom Reheat Furnace

Permit Conditions for Emissions Unit No. 003

	Federally Enforceable Conditions	Regulations
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <p>A. Quantity of natural gas combusted; and B. Hours of operation.</p>	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall not combust more than 0.34 million cubic feet of natural gas per hour.	18.2.3
5.	The source permitted herein shall have a NO _x emissions rate not to exceed 40.80 lb/hr [$@ 0.12 \text{ lb}/10^6 \text{ BTU}$, company negotiated with the Department in 1981]. If required by the Department, the NO _x emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
6.	The permittee shall provide instrumentation to continuously measure and record the quantity of natural gas combusted in the furnace. The natural gas flow meter and recorder shall be calibrated annually.	18.2.3
7.	The permittee shall observe the furnace stack at least once each week the facility operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the furnace stack where the emissions were previously detected. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
8.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NO _x , CO, VOC, SO ₂ , and HAPS. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	004	Mandrel Piercing Mill, Deoxidizer (Borax) and Graphite Application Stations, all connected to a 150,000 ACFM Venturi Rod Scrubber

Permit Conditions for Emissions Unit No. 004

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of steel bloom processed; B. Quantity of graphite used; C. Quantity of borax used; and D. Hours of operation.	18.2.3
2.	The source permitted herein shall have an exhaust opacity not to exceed 40%, as determined by a 6-minute average or as otherwise provided in Section 6.1.1 of the Rules and Regulations. The opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60. The opacity limit was approved by the Department.	6.1.1 (d)
3.	The source permitted herein shall have a particulate matter emissions rate not to exceed 19.29 lbs/hr (0.015 gr./ACF). If required by the Department particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
4.	The permittee shall maintain a pressure loss of not less than 11 in. w.g. across the scrubber's venturi rod deck.	18.2.3 40 CFR 64.3(a)(2)
5.	The permittee shall maintain a water flow rate of 1000 – 1450 GPM to the scrubber.	18.2.3 40 CFR 64.6(c)(1)
6.	To establish compliance with the indicator range(s), the permittee shall provide instrumentation to continuously read and locally display each indicator being monitored. Data points shall be read and displayed on a data logger trend chart with the most recent readings displayed for a limited time overwriting previously recorded readings. Every 12 minutes an average reading of the data shall be recorded onto a data acquisition and storage equipment. Data obtained shall be downloaded monthly into a data base maintained in the environmental department. The instrumentation shall be maintained in accordance with the manufacturer's recommendations, calibrated annually, and the pressure taps checked daily for pluggage when the Emissions Unit is in operation.	18.2.3 40 CFR 64.7(b) 40 CFR 64.3(b)(4)(ii)
7.	The permittee shall conduct performance tests annually to demonstrate compliance with the standards in Condition Nos. 2 and 3. Total particulate matter emissions rate shall be determined by combining the results from EPA Reference Methods 5 and 202. The frequency of testing shall be no more frequent than 6 months but not later than 18 months apart. The permittee after 3 consecutive Method 202 testing events where the condensable particulate as measured using EPA test Method 202 is less than 5 percent of the total particulate may cease testing for condensable particulate.	18.2.3 40 CFR 64.6(b)
8.	The permittee shall conduct a Method 9 visible emissions observation simultaneously during the time of each performance test.	18.2.3 40 CFR 64.6(b)

9.	The scrubbing water recycle tank shall be drained every 3 weeks or less. The solid content of the recycled water to the scrubber shall have a total solid content (dissolved and suspended solid combined) not to exceed 5% by weight.	18.2.3 40 CFR 64.3(a)(2)
10.	The volume of gas exiting the venturi scrubber shall not exceed the equipment design specification of 150,000 ACFM.	18.2.3 40 CFR 64.3(a)(2)
11.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} . The calculations shall be submitted to the Department by February 10 th each year for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u> <u>No.</u>	<u>Emissions</u> <u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	005	114 MMBtu/hr Tube Reheat Furnace

Permit Conditions for Emissions Unit No. 005

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall not combust more than 0.114 million cubic feet of natural gas per hour.	18.2.3
5.	The source permitted herein shall have a NOx emissions rate not to exceed 13.68 lb/hr [@ 0.12 lb/10 ⁶ BTU, company negotiated with the Department in 1981]. If required by the Department, the NOx emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
6.	The permittee shall provide instrumentation to continuously measure and record the quantity of natural gas combusted in the furnace. The natural gas flow meter and recorder shall be calibrated annually.	18.2.3
7.	The permittee shall observe the furnace stack at least once each week the facility operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the furnace stack where the emissions were previously detected. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
8.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NOx, CO, VOC, SO ₂ , and HAPS. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	006	86.6 MMBtu/hr Austenitizing Furnace

Permit Conditions for Emissions Unit No. 006

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall not combust more than 0.086 million cubic feet of natural gas per hour.	18.2.3
5.	The 86.6 MMBtu/hr furnace permitted herein shall have a NOx emissions rate not to exceed 10.39 lb/hr [@ 0.12 lb/10 ⁶ BTU, company negotiated with the Department in 1981]. If required by the Department, the NOx emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
6.	The permittee shall provide instrumentation to continuously measure and record the quantity of natural gas combusted in the furnace. The natural gas flow meter and recorder shall be calibrated annually.	18.2.3
7.	The permittee shall observe the furnace stack at least once each week the facility operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the furnace stack where the emissions were previously detected. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
8.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NOx, CO, VOC, SO ₂ , and HAPS. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	007	66.5 MMBtu/hr Tempering Furnace

Permit Conditions for Emissions Unit No. 007

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall not combust more than 0.067 million cubic feet of natural gas per hour.	18.2.3
5.	The 66.5 MMBtu/hr Furnace permitted herein shall have a NOx emissions rate not to exceed 7.98 lb/hr [@ 0.12 lb/10 ⁶ BTU, company negotiated with the Department in 1981]. If required by the Department, the NOx emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
6.	The permittee shall provide instrumentation to continuously measure and record the quantity of natural gas combusted in the furnace. The natural gas flow meter and recorder shall be calibrated annually.	18.2.3
7.	The permittee shall observe each furnace stack at least once each week the facility operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the furnace stack where the emissions were previously detected. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
8.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NOx, CO, VOC, SO ₂ , and HAPS. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	008	Pipe Coater No. 1

Permit Conditions for Emissions Unit No. 008

	Federally Enforceable Conditions	Regulations
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <ul style="list-style-type: none"> A. Quantity, in gallons, of all surface coatings, coating additives or thinners, cleanup solvents or any other solvents used; B. The density (lb/gal), VOC/HAP content, solids content, exempt VOC content and water content of all coatings and solvents in percent weight and in percent volume; C. Quantity, in gallons or pounds, of waste solvent disposed of properly (i.e., sent to a waste solvent recovery facility). Certification of the VOC content of the waste solvent shall be reported in percent weight; D. Quantity, in pounds and gallons, of any VOC/HAP materials lost (evaporated to the atmosphere) due to spillage, leak, or any other mishap; and E. Hours of operation of the sources. 	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall be limited to use a pipe coating varnish/ material (excluding labeling, cleaning, and conditioning materials) with a VOC content of not more than 0.52 kilogram per liter (4.3 pounds per gallon) of coating, excluding water, delivered to a coating applicator. If required by the Department, the VOC emissions rate shall be measured by EPA Reference Method 24 or 24A of appendix A of 40 CFR 60.	8.11.11(e)(1)
5.	The permittee shall collect, properly contain as much as possible, and dispose of unusable waste solvent and paint. Records of the methods of disposal shall be maintained.	
6.	The compliance demonstration time frame for an individual coating line that applies coatings that are subject to the same regulated VOC emission rate under Condition No. 4 shall be a 24 hour period (calendar day).	8.11.12(b)
7.	The source permitted herein shall have an annual VOC emissions limit not to exceed 221.00 T/yr (includes VOC contents of inks, stencils, thread proteins, and clean up solvents) based on an annual rolling average as defined in Part 1.3 of the Rules and Regulations. This emission limit was a negotiated limit with the Department when the Pipe Mill was constructed in 1981.	18.2.3

8.	<p>The permittee shall maintain as a minimum the following daily records to demonstrate compliance in the time frame required in this permit:</p> <ul style="list-style-type: none"> A. The quantity in gallons of all surface coatings delivered to the application system; B. The quantity in gallons of all organic liquid diluents (coating thinners and additives) added to the surface coatings; C. The quantity in gallons of all organic liquid solvents used for wash and cleanups; D. The quantity in gallons of all organic liquid waste properly contained and shipped out for proper disposal and a certification of the waste density and percent VOC content by weight; E. The date of each application of surface coatings and diluents and usage of wash and cleanup solvents; and F. The regulation(s) applicable to the coating line for which the records are being maintained; G. The daily record shall be kept in the units necessary to verify compliance with the applicable regulations (i. e. pounds of VOC per gallon of coating delivered to the application system, excluding water and exempt VOC); H. The application method and the substrate material type; I. The surface coating curing and/or drying oven temperature in degrees Fahrenheit; J. The following information on all surface coatings and organic liquid solvents (diluents, additives, wash and cleanups): <ul style="list-style-type: none"> (i) Manufacturer (supplier); (ii) Product name and manufacturer's code number; (iii) Density (pounds per gallon); (iv) VOC content in percent weight and volume; (v) Solids content in percent weight and volume; (vi) water content in percent weight and volume; (vii) Exempt VOC content in percent weight and volume; and (viii) Pounds of VOC per gallon of coating delivered to the application system, excluding water and exempt VOC. 	<p>8.11.12(a)</p> <p>8.11.12(a)(1)</p> <p>8.11.12(a)(2)</p> <p>8.11.12(a)(3)</p> <p>8.11.12(a)(4)</p> <p>8.11.12(a)(5)</p> <p>8.11.12(a)(6)</p> <p>8.11.12(a)(7)</p> <p>8.11.12(a)(8)</p> <p>8.11.12(a)(9)</p> <p>8.11.12(a)(13)</p>
9.	<p>The daily record required in Condition No. 8 shall be retained by the permittee at the source location for a minimum of 2 years after the date of record and shall be made available to the representatives of the Health Officer upon request.</p>	8.11.12(c)
10.	<p>The permittee shall make calculations for the previous year's actual emissions of VOC and HAPs. The calculations shall be submitted to the Department by February 10th each year for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.</p>	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	009	Pipe Coater No. 2

Permit Conditions for Emission Unit No. 008

	Federally Enforceable Conditions	Regulations
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <ul style="list-style-type: none"> A. Quantity, in gallons, of all surface coatings, coating additives or thinners, cleanup solvents or any other solvents used; B. The density (lb/gal), VOC/HAP content, solids content, exempt VOC content and water content of all coatings and solvents in percent weight and in percent volume; C. Quantity, in gallons or pounds, of waste solvent disposed of properly (i.e., sent to a waste solvent recovery facility). Certification of the VOC content of the waste solvent shall be reported in percent weight; D. Quantity, in pounds and gallons, of any VOC/HAP materials lost (evaporated to the atmosphere) due to spillage, leak, or any other mishap; and E. Hours of operation of the sources. 	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%), as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall be limited to use a pipe coating varnish/ material (excluding labeling, cleaning, and conditioning materials) with a VOC content of not more than 0.52 kilogram per liter (4.3 pounds per gallon) of coating, excluding water, delivered to a coating applicator. If required by the Department, the VOC emissions rate shall be measured by EPA Reference Method 24 or 24A of appendix A of 40 CFR 60.	8.11.11(e)(1)
5.	The permittee shall collect, properly contain as much as possible, and dispose of unusable waste solvent and paint. Records of the methods of disposal shall be maintained.	
6.	The compliance demonstration time frame for an individual coating line that applies coatings that are subject to the same regulated VOC emission rate under Condition No. 4 shall be a 24 hour period (calendar day).	8.11.12(b)
7.	The source permitted herein shall have an annual VOC emissions limit not to exceed 221.00 T/yr (includes VOC contents of inks, stencils, thread proteins, and clean up solvents) based on an annual rolling average as defined in Part 1.3 of the Rules and Regulations. This emission limit was a negotiated limit with the Department when the Pipe Mill was constructed in 1981.	18.2.3

8.	<p>The permittee shall maintain as a minimum the following daily records to demonstrate compliance in the time frame required in this permit:</p> <ul style="list-style-type: none"> A. The quantity in gallons of all surface coatings delivered to the application system; B. The quantity in gallons of all organic liquid diluents (coating thinners and additives) added to the surface coatings; C. The quantity in gallons of all organic liquid solvents used for wash and cleanups; D. The quantity in gallons of all organic liquid waste properly contained and shipped out for proper disposal and a certification of the waste density and percent VOC content by weight; E. The date of each application of surface coatings and diluents and usage of wash and cleanup solvents; and F. The regulation(s) applicable to the coating line for which the records are being maintained; G. The daily record shall be kept in the units necessary to verify compliance with the applicable regulations (i. e. pounds of VOC per gallon of coating delivered to the application system, excluding water and exempt VOC); H. The application method and the substrate material type; I. The surface coating curing and/or drying oven temperature in degrees Fahrenheit; J. The following information on all surface coatings and organic liquid solvents (diluents, additives, wash and cleanups): <ul style="list-style-type: none"> (i) Manufacturer (supplier); (ii) Product name and manufacturer's code number; (iii) Density (pounds per gallon); (iv) VOC content in percent weight and volume; (v) Solids content in percent weight and volume; (vi) water content in percent weight and volume; (vii) Exempt VOC content in percent weight and volume; and (viii) Pounds of VOC per gallon of coating delivered to the application system, excluding water and exempt VOC. 	<p>8.11.12(a)</p> <p>8.11.12(a)(1)</p> <p>8.11.12(a)(2)</p> <p>8.11.12(a)(3)</p> <p>8.11.12(a)(4)</p> <p>8.11.12(a)(5)</p> <p>8.11.12(a)(6)</p> <p>8.11.12(a)(7)</p> <p>8.11.12(a)(8)</p> <p>8.11.12(a)(9)</p> <p>8.11.12(a)(13)</p>
9.	<p>The daily record required in Condition No. 8 shall be retained by the permittee at the source location for a minimum of 2 years after the date of record and shall be made available to the representatives of the Health Officer upon request.</p>	8.11.12(c)
10.	<p>The permittee shall make calculations for the previous year's actual emissions of VOC and HAPs. The calculations shall be submitted to the Department by February 10th each year for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.</p>	18.2.3

Facility

Emissions

No.

Unit No.

Emissions Unit Description

0371

010

4 MMBtu/hr Mandrel Preheat Furnace

Permit Conditions for Emissions Unit No. 010

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation.	18.2.3
2.	The source permitted herein shall have an exhaust opacity not to exceed 20%, as determined by a 6-minute average, or as otherwise provided in Section 6.1.1 of the Rules and Regulations. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1
3.	The permittee shall not combust more than 0.004 million cubic feet of natural gas per hour.	18.2.3
4.	The source permitted herein shall have a NOx emissions rate not to exceed 0.40 lb/hr [$@ 0.10 \text{ lb}/10^6 \text{ BTU}$, company negotiated with the Department in 1981]. If required by the Department, the NOx emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
5.	The permittee shall provide instrumentation to continuously measure and record the quantity of natural gas combusted in the furnace. The natural gas flow meter and recorder shall be calibrated annually.	18.2.3
6.	The permittee shall observe the furnace stack at least once each week the facility operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the furnace stack where the emissions were previously detected. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
7.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NOx, CO, VOC, SO ₂ , and HAPS. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	011	Gasoline Dispensing Facility with Bulk Storage Tanks Equipped with Conservation Vents, Submerged Fill Pipes, and Vapor Collection Systems (Stage I Controls) [Each gasoline dispensing facility is subject to the requirements of Subpart CCCCCC of 40 CFR 63.]
		12,000 Gallons Capacity Gasoline Storage Tank (FT-1) 4,000 Gallons Capacity Gasoline Storage Tank (FT-16) 500 Gallons Capacity Gasoline Storage Tank (FT-18)

Permit Conditions for Emissions Unit No. 011

	Federally Enforceable Conditions	Regulations
1.	The permittee shall maintain written records of monthly throughput quantities, in gallons and types, of petroleum distillate in all storage tanks. The annual summary report for the previous calendar of the monthly records shall be submitted to this Department by February 10 th of each calendar year.	18.2.3
2.	The permittee shall not disconnect an existing vapor balance system and shall maintain the system in proper in accordance with Part 8.7.4 even if the facility's average monthly throughput of gasoline is less than 4000 gallons regardless of the applicability exemptions for the dispensing facilities permitted herein.	8.7.7 18.2.3
3.	<p>A) The permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. The permittee shall take the following measures as specified in 40 CFR 63.11116(a) and as listed below:</p> <ol style="list-style-type: none"> 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; and 4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation devices, such as oil/water separators. <p>B) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with item No. A(3) above.</p> <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall maintain records of monthly throughputs for each storage tank. 2. The permittee keep records of pressure tests for each vapor balancing system. 	<p>40 CFR 63.11116(a)</p> <p>63.11116(a)(d)</p> <p>18.2.3</p>
4.	The permittee shall make calculations for the previous year's actual emissions of VOC. The calculations shall be submitted to the Department by February 10 th each year.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	012	Electric Arc Furnace (EAF) with a Water Cooled Direct-shell Evacuation Control System (DEC), Ducting, and a Canopy Hood all connected to a 1,200,000 SCFM Baghouse, an EAF Baghouse Dust Storage Silo with a 2,285 SCFM Bin Vent (The EAF, the Dust Storage Silo are subject to Subpart AAa of 40 CFR 60.). The EAF is also subject to Subpart YYYYY of (40 CFR 63.), and Slag Material Handling Operations, Day Storage Bins (6 Alloy, 4 Flux, one Moly Oxide, 3-for future storage) and a Grizzly Breaker all connected to a 480,000 SCFM Baghouse

Permit Conditions for Emissions Unit No. 012

	Federally Enforceable Conditions	Regulations
	Standard for Particulate Matter	
1.	The permittee subject to the provisions of subpart AAa shall not cause to be discharged into the atmosphere from the EAF any gases which: A) Exit from the control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf); B) Exit from the control device and exhibit 3 percent opacity or greater; and C) Exit from EAF melt shop and, due solely to the operations of the EAF, exhibit 6 percent opacity or greater.	40 CFR 60.272a(a) 40 CFR 60.272a(a)(1) 40 CFR 60.272a(a)(2) 40 CFR 60.272a(a)(3)
	Performance Tests	
2.	The permittee shall conduct performance tests within 60 days after achieving the maximum production rate at which the electric arc furnace will be operated , but no later than 180 days after initial startup of the furnace, or at such other times specified in Part 60.8, and at such other times as may be required by the Health Officer under section 114 of the Act, the permittee shall conduct performance test(s) and furnish the Health Officer a written report of the results of such performance test(s).	40 CFR 60.8(a)
3.	Performance tests shall be conducted under such conditions as the Health Officer shall specify to the permittee based on representative performance of the furnace. The permittee shall make available to the Health Officer such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall be not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.	40 CFR 60.8(c)
4.	The permittee shall provide the Health Officer at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Health Officer the opportunity to have an observer present. If after 30 day notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the permittee shall notify the Health Officer as soon as possible of any delay in the original test date, either by providing 7 days prior notice of the rescheduled date of the performance test or by arranging a rescheduled date with the Health Officer by mutual agreement.	40 CFR 60.8(d)
5.	The permittee shall provide performance testing facilities as follows: A) Sampling ports adequate for test methods applicable for the electric arc furnace. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates canbe accurately determined by applicable test methods and procedures and (ii) providing a stack duct or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.	40 CFR 60.8(e)

	B) Safe sampling platform(s). C) Safe access to sampling platform(s). D) Utilities for sampling and testing equipment.	
6.	The performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or condition occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the permittee's control, compliance may, upon the Health Officer's approval, be determined using the arithmetic mean of the results of the two other runs.	40 CFR 60.8(f)
	Emission Monitoring	
7.	A continuous emission monitoring system for the measurement of the opacity of emission discharged into the atmosphere from the control device(s) for the EAF shall be installed, calibrated, maintained and operated by the permittee.	40 CFR 60.273a(a)
8.	No continuous monitoring system shall be required on any control device serving the dust-handling system.	40 CFR 60.273a(b)
9.	A continuous opacity monitoring system for the measurement of the opacity of emissions discharged into the atmosphere from the control device is not required on any modular, multiple-stack negative pressure or positive-pressure baghouse if observations of the opacity of the visible emissions from the fabric filter are performed by a certified visible emission observer; or on any single-stack fabric filter if visible emissions from the control device are performed by a certified visible emissions observer and the permittee installs and continuously operates a bag leak detection system according to paragraph 40 CFR 60.273a(e). Visible emission observations shall be conducted at least once per day for at least three 6-minute periods when the furnace is operating in the melting and refining period. All visible emissions observations shall be conducted in accordance with Method 9. If visible emissions occur from more than one point, the opacity shall be recorded for any points 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 emission, only one set of three 6-minute observations will be required. In that case the 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 § 60.272a(a) of 40 CFR 60.	40 CFR 60.273a(c)
10.	A furnace static pressure monitoring device is not required on the EAF which is equipped with a Direct-shell Evacuation Control (DEC) System if observations of shop opacity are performed by a certified visible emission observer as follows: Shop opacity observations shall be conducted at least once per day when the furnace is operating in the meltdown and refining period. Shop opacity shall be determined as the arithmetic average of 24 consecutive 15-second opacity observations of emissions 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 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.	40 CFR 60.273a(d)
11.	A bag leak detection system must be installed and continuously operated on all single-stack fabric filters if the permittee elects not to install and operate a continuous opacity monitoring system as provided in paragraph 40 CFR 60.273a(c). In addition, the permittee shall meet the visible emission observation requirements in the same paragraph. The bag leak detection system must meet the specifications of paragraph 40 CFR 60.273a (e)(1) through (e)(8).	40 CFR 60.273a(e)
12.	For each bag leak detection system installed according to paragraph (e) [60.273a (e)], the permittee shall initiate procedures to determine the cause of all alarms within 1 hour of alarm. Except as provided under for under paragraph (g) [40 CFR 60. 273a(g)], the cause of the alarm must be alleviated within 3 hours of the time the alarm occurred by taking whatever corrective action(s)are necessary. Corrective actions may include, but are not limited to the following:	40 CFR 60.273a(f)

	<p>A) Inspection of the baghouse for air leaks, torn or broken bags or filter media, or any other conditions that may cause an increase in particulate emissions;</p> <p>B) Sealing off defective bags or filter media;</p> <p>C) Replacing defective bags or filter media or otherwise repairing the control device;</p> <p>D) Sealing off a defective baghouse compartment;</p> <p>E) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; and</p> <p>F) Shutting down the process producing the particulate emissions.</p>	
13.	In approving the site-specific monitoring plan required in paragraph 40 CFR 60.273a(e)(4), the Administrator may allow the permittee more than 3 hours to alleviate specific conditions that cause an alarm if the permittee identifies the condition that could lead to an alarm in the monitoring plan, adequately explains why it is not feasible to alleviate the condition within 3 hours of the time the alarm occurred, and demonstrates that the requested additional time will ensure alleviation of the condition as expeditiously as practicable.	40 CFR 60.273a(g)
	Monitoring Operations	
14.	The permittee shall comply with all applicable monitoring requirements specified in §60.274a of 40 CFR 60.	40 CFR 60.274a
15.	Except provided under paragraph (e) of 40 CFR 60.274a, the permittee subject to the provisions of subpart AAa shall check and record on a once- per- shift basis the furnace static pressure(if DEC system is in use, and a furnace static pressure gauge is installed according to § 60.274a (f) of 40 CFR 60) and either: check and record the control system fan motor amperes and damper position on a once- per- shift basis; install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood; or install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate at the control device inlet and check and record damper positions on a once-per shift basis. The monitoring device may be installed in any appropriate location in the exhaust duct such that reproducible flow rate flow rate monitoring will result. The flow rate monitoring device shall have an accuracy of ±10 percent over its normal operating range and shall be calibrated according to manufacturer's instructions. The Health Officer may require the permittee to demonstrate the accuracy to the monitoring device relative to Methods 1 and 2 of 40 CFR 60.	40 CFR 60.274a(b)
16.	When the permittee is required to demonstrate compliance with the standards under §60.27a(a)(3) of 40 CFR 60 and at any other time that the Health Officer may require (under section 114 of CAA as amended) either: the control system fan motor amperes and all damper positions, volumetric flow rate through each separately ducted hood or the volumetric flow rate at the control device inlet and all damper positions shall be determined during all periods in which a hood is operated for the purpose of capturing emissions from the affected facility subject to paragraph 40 CFR 60.274(a)(b). The permittee may petition to the Health Officer for reestablishment of these parameters whenever the permittee can demonstrate to the Health Officer's satisfaction that the affected facility 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 which applicable period. Operation at other than baseline value may be subject to the requirements of §60.276a(c) of 40 CFR 60.	40 CFR 60.274a(c)
17.	Except provided under paragraph (e) of 40 CFR 60.274a, 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 the duct work or hoods, flow constrictions caused by dents or accumulated dust in the ductwork, and fan erosion). Any deficiencies shall be noted and proper maintenance performed.	40 CFR 60.274a(d)
18.	The permittee may petition the Health Officer to approve any alternative to either the monitoring requirements in paragraph 40 CFR 60.274a(b) or the operational status inspections specified in 40 CFR 60.274a(d) if the alternative will provide a continuous record of operation of the emission capture system.	40 CFR 60.274a(e)

19.	Except as provided for under paragraph 40 CFR 60.273a(d), if emissions during any phase of the heat time are controlled by the use of a DEC system, the permittee shall install, calibrate , and maintain a monitoring device that allows the pressure in the free space inside the EAF to be monitored. The pressure shall be recorded as 15-minute integrated averages. The monitoring device may be installed in any appropriate location in the EAF or DEC duct prior to the introduction of ambient air such that reproducible results will be obtained. The pressure monitoring device shall have an accuracy of ± 5 mm of water gauge over its normal operating range and shall be calibrated according to the manufacturer's instructions.	40 CFR 60.274a(f) 40 CFR 64
20.	Except as provided for under paragraph 40 CFR 60.273a(d), when the permittee operating the EAF controlled by a DEC is required to demonstrate compliance with the standard under paragraph 40 CFR 60.272a(a)(3), and at any other time the Health Officer may require (under section 114 of the clean Air Act, as amended), the pressure in the free space inside the furnace shall be determined during the meltdown and refining period(s) using monitoring device required under paragraph (f) of 40 CFR 60.273a. The permittee may petition the Health Officer for reestablishment of the pressure whenever the permittee can demonstrate to the Health Officer's satisfaction that the EAF operating conditions upon which the pressures were previously established are no longer applicable. The pressure determined during the most recent demonstration of compliance shall be maintained at all times when the EAF is operating in a meltdown and refining period. Operations at higher pressure may be considered by the Health Officer to be unacceptable operation and maintenance of the affected facility.	40 CFR 60.274a(g)
21.	During any performance test required under 40 CFR 60.8 and for any report thereof required by 40 CFR 60.276a(f), or to determine compliance with 40 CFR 60.272a(a)(3), the permittee shall monitor 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 pressure inside EAF when direct- shell evacuation control systems are used; C) Control device operation log; and D) Continuous opacity monitor or method 9 data.	40 CFR 60.274a(h)
	<u>Test Methods and procedures</u>	
22.	During required performance tests, the permittee shall not add gaseous diluents to the effluent gas stream after the fabric of the EAF baghouses, unless the amount of dilution is separately determined and considered in the determination of emissions.	40 CFR 60.275a(a)
23.	In conducting the performance tests required in § 60.8 of 40 CFR 60, the permittee shall use as reference methods and procedures the test methods in appendix A of 40 CFR 60 or other methods and procedures as specified in section, except as provided in § 60.8(b).	40 CFR 60.275a(d)
24.	The permittee shall use Method 5 (for negative-pressure baghouses) to determine the particulate matter concentration and volumetric flow rate of the effluent gas. The sampling time and sample volume for each run for a Method 5 test shall be at least 4 hours and 4.50 dscm (160 dscf), respectively, and, when the EAF is sampled, the sampling time shall include an integral number of heats.	40 CFR 60.275a(e)(1)
25.	The permittee shall use Method 9 and the procedures of § 60.11 to determine opacity.	40 CFR 60.275a(e)(3)
26.	To demonstrate compliance with 40 CFR 60.272a (a)(1), (2), and (3), the Method 9 test runs shall be conducted concurrently with the particulate matter runs unless inclement weather interferes.	40 CFR 60.275a(e)(4)
27.	To comply with 40 CFR 60.274a(c), (f), (g), and (h) the permittee shall be obtain the information required in these paragraphs during the particulate matter runs.	40 CFR 60.275a(f)

28.	Any control device subject to the provisions of subpart AAa of 40 CFR 60 shall be designed and constructed to allow measurement of emissions using applicable test methods and procedures.	40 CFR 60.275a(g)
	<u>Recordkeeping and reporting Requirements</u>	
29.	The permittee shall retain all records of the measurements required in § 60.274a of 40 CFR 60 for at least 2 years following the date of the measurement.	40 CFR 60.276a(a)
30.	The permittee shall submit a written report of exceedances of the control device opacity to the Department semi-annually. For the purpose of these reports, exceedances are defined as all 6-minute periods during which the average opacity is 3 percent or greater.	40 CFR 60.276a(b)
31.	Operation at a furnace static pressure that exceeds the values established under § 60.274a(g) of 40 CFR 60 and either operation of control system fan motor amperes at values exceeding ± 15 percent of the value established under § 60.274a(c) or operation at flow rates lower than those established under § 60.274a(c) may be considered by the Department to be unacceptable operation and maintenance of the EAF. Operation at such values shall be reported to the Health Officer semiannually.	40 CFR 60.276a(c)
32.	The requirements in 40 CFR 60.276a will remain in force until and unless EPA, in delegating enforcement authority to a State under Section 111(c) of the CAA, approves reporting requirements or an alternative means of compliance surveillance adopted by such state. In that event, affected sources within the State will be relieved of the obligation to comply with section 60.276a, provided that they comply with the requirements established by the State.	40 CFR 60.276a(d)
33.	When the permittee operating an EAF is required to demonstrate compliance with the standard under Section 60.275(b)(2) or a combination of (b)(1) and (b)(2) it shall obtain approval from the Health Officer of the procedure(s) that will be used to determine compliance. Notification of the procedure(s) to be used must be postmarked at least 30 days prior to the performance test.	40 CFR 60.276a(e)
34.	For the purpose of Subpart AAa, the permittee shall conduct the demonstration of compliance with section 60.272a(a) of 40 CFR 60 and furnish the Health Officer a written report of the result of the test. The report shall include the information in section 63.276a(f) (1) through (22).	40 CFR 60.276a(f)
35.	The permittee shall maintain records of all shop opacity observations made in accordance with Section 60.273a(d) of subpart AAa. All shop opacity observations in excess of emission limit specified in section 60.272a(a)(3) of this subpart shall indicate a period excess emissions, and shall be reported to the Health Officer semi-annually according to section 60.7(c) of 40 CFR60.	40 CFR 60.276a(g)
36.	The permittee shall maintain the following records for bag leak detection system required under Section 60.273a(e) of subpart AAa: A) Records of the bag leak detection system output; B) Record of the bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and C) An identification of the date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the were initiated, if procedures were initiated within 1 hour of the alarm, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm were alleviated, and if the alarm was alleviated within 3 hours of the alarm.	40 CFR 60.276a(h)
37.	<u>Carbon Monoxide emission limit</u> The permittee shall limit CO emissions from the Electric Arc furnace permitted herein to an annual total of 2560 tons/yr derived from the company's proposed limit of 3.20 lb /T of liquid steel. The permittee must run a source emission test to determine the actual emission factor in order to verify compliance with the annual limit. Compliance shall be determined by the annual limit, however if the stack test shows that additional limits including operational hours are necessary, the permit will be modified to ensure compliance with the annual limit. The compliance test shall be run during the same time frame as stated	18.2.3

	in Condition No. 2. The CO emissions rate shall be measured by EPA Method 10 of appendix A of 40 CFR 60.	
	<u>EAF Baghouse Dust Storage Silo (Dust Handling System)</u>	
38.	The permittee shall not cause to be discharged into the atmosphere from the storage silo and any other EAF baghouse dust handling systems any gases that exhibit 10 percent opacity or greater. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	40 CFR 60.272a(b)
39.	The permittee shall not cause to be discharged into the atmosphere from the EAF baghouse dust storage silo any gases which exit the control device and contain particulate matter in excess of 0.02 gr/dscf. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
	<u>Subpart YYYYY 40 CFR 63 applicability (Operation of EAF, Area source of HAPs)</u>	
40.	The EAF permitted herein will be subject to the requirements of subpart YYYYY of 40 CFR 63 as it will be a new construction (after September 20, 2007) at a facility which is an area source of HAPs emissions.	40 CFR 63.10680(a)(2)
41.	<u>Control of contaminants from Scrap</u> A. Chlorinated plastics, lead, and free organic fluids: For metallic scrap utilized in the EAF at this facility, the permittee must comply with the requirements in either paragraph (a)(1) or (a)(20) of this section. The permittee may have certain scrap at this facility subject to paragraph (a)(1) of this section and other scrap subject to paragraph (a)(2) of this section provided the scrap remain segregated until charge make-up.	40 CFR 63.10685 40 CFR 63.10685(a)
42.	<u>Pollution Prevention Plan:</u> For the production other than leaded steel the permittee must prepare and implement a pollution prevention plan for metallic scrap selection and inspection to minimize the amount of chlorinated plastics, lead, and free organic liquids that is charged to the furnace. The permittee must submit the scrap pollution prevention plan to the Health Officer for approval. You must operate according to the plan as submitted during the review and approval process, operate according to the approved plan at all times after approval, and address any deficiency identified by the Health Officer within 60 days following disapproval of a plan. The permittee may request approval to revise the plan and may operate according to revised plan until the revision is disapproved by the Health Officer. The permittee must keep a copy of the approved plan onsite, and it must provide training on the plan's requirements to all plant personnel with materials acquisitions or inspection duties. Each plan must include the information in paragraphs (a)(1)(i) through (iii) of this Section.	40 CFR 63.10685(a)(1)
43.	<u>C. Restricted Metallic Scrap:</u> For the production of steel other than leaded steel, the permittee must not charge to the EAF metallic scrap from motor vehicle bodies, engine blocks, oil filters oily turnings, machine shop borings, transformers or capacitors containing polychlorinated biphenyls, lead-containing components, chlorinated plastics, or organic liquids. For the production of leaded steel, the permittee must not charge to the EAF metallic scrap from motor vehicle bodies, engine blocks, oil filters oily turnings, machine shop borings, transformers or capacitors containing polychlorinated biphenyls, chlorinated plastics, or free organic liquids. This restriction does not apply to any post-consumer engine blocks, post-consumer oil filters or free organic liquids. This restriction does not apply to motor vehicle scrap that is charged to recover the chromium or nickel contents if the permittee meets the requirements in paragraph (b)(3) of 40 CFR 63.10685.	40 CFR 63.10685(a)(2)
44.	<u>Mercury Requirements</u> For scrap containing motor vehicle scrap, the permittee must procure the scrap pursuant to one of the compliance options in paragraphs (b)(1), (2), or (3) of Section 63.10685(b) for each scrap provider, contract, or shipment. For scrap that does not contain motor vehicle scrap, the permittee must procure the scrap pursuant to the requirements in paragraph (b)(4) of this section for each scrap provider, contract, or shipment.	40 CFR 63.10685(b)

	The permittee may have one scrap provider, contract, or shipment subject to one compliance provision and others subject to another compliance provision	
45.	<p><u>Requirements for EAF</u></p> <p>A) The permittee must install, operate, and maintain a capture system that collects the emissions from the EAF (including charging, melting, and tapping operations) and conveys the collected emissions to a control device for the removal of particulate matter(PM).</p> <p>B) The permittee must not discharge or cause the discharge into the atmosphere from the EAF any gases which:</p> <p>(1) Exit from the control device and contain in excess of 0.0052 grains PM per dry standard cubic foot (gr/dscf); and</p> <p>(2) Exit from the EAF melt shop and, due solely to the operation of the EAF, exhibit 6 percent opacity or greater.</p> <p>C) The permittee must conduct tests to demonstrate initial compliance with the applicable emissions limits for each emissions source subject to an emission limit in 40 CFR 63.10686(b).</p> <p>(1) The permittee must conduct each performance test for the EAF according to the procedures in §63.7 and 40 CFR 60.275 using the applicable test methods in 40 CFR part 60, appendices A-1, A-2, A-3, and A-4 and as explained in (d)(1)(i) through (v).</p> <p>(2) The permittee must conduct each opacity test for the melt shop according to the procedures in §63.6(h) and Method 9 of appendix A-4 of 40 CFR 60. When emissions from the EAF are combined with emissions from emission sources not subject to this subpart, it must demonstrate with the melt shop opacity (less than 6 percent) based on emissions from only the emission sources subject to this subpart.</p> <p>(3) During any performance test, the permittee must monitor and record the information specified in 40 CFR 60.274a(h) for all heats covered by the test.</p> <p>(4) The permittee must notify and receive approval from the Health Officer for procedures that will be used to determine compliance for the EAF when emissions are combined with those from sources not subject to this subpart.</p> <p>D) The permittee must monitor the capture system and PM control device required by this subpart, maintain records, and submit reports according to the compliance assurance monitoring requirements in 40 CFR part 64. The exemption in 40 CFR 64.2(b)(1)(i) for emissions limitations or standards proposed after November 15, 1990 under section 111 or 112 of the CAA does not apply. In lieu of the deadlines for submittal in 40 CFR 64.5, it must submit the monitoring information required by 40 CFR 64.4 to the Jefferson County Department of Health for approval by no later than the compliance date of the company's affected source for this subpart and operate according to the approved plan by no later than 180 days after the date of approval by the permitting authority.</p>	<p>40 CFR 63.10686 40 CFR 63.10686(a)</p> <p>40 CFR 63.10686(b) 40 CFR 63.10686(b)(1) 40 CFR 63.10686(b)(2)</p> <p>40 CFR 63.10686(d) 40 CFR 63.10686(d)(1)</p> <p>40 CFR 63.10686(d)(2)</p> <p>40 CFR 63.10686(d)(3)</p> <p>40 CFR 63.10686(d)(4)</p> <p>40 CFR 63.10686(e)</p>
	<u>Slag Material Handling Operations and EAF Alloy Bins connected to a 480,000 SCFM Baghouse</u>	
46.	The opacity of exhaust emissions from the baghouse shall not exceed 20% as determined by a 6-minute average, or as otherwise provided in Section 6.1.1 of the Rules and Regulations. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	18.2.3
47.	The permittee shall not discharge to the atmosphere any gases that exit from the baghouse that contain particulate matter in excess of 21.394 lb/hr (0.0052 gr/dscfm). If required by the Department, the particulate matter emissions rate (front half filterable catch only) shall be measured by EPA reference Method 5 of appendix A of 40 CFR 60.	18.2.3
48.	The sampling time and sample volume for each run shall be at least 60 minutes and 60 dry standard cubic feet of gas respectively. The sampling shall be conducted only when the sources are operating.	18.2.3
49.	The permittee shall maintain a pressure differential of 2.0 – 8.0 in. w.g. across the fabric filter's tube sheet when the fabric filter is in operation. Pressure taps shall be located in the dust collector housing immediately above and below the filter media tube sheet. In the event that the pressure loss across the	18.2.3

	tube sheet of the fabric filter is not within the specified range, corrective actions shall be initiated within 1 hour. If upon completion of the initial attempt to return the pressure loss to the specified range, the pressure loss is still not within the specified range, the Emissions Unit and dust collector shall be shutdown for further inspection and repair.	
50.	The permittee shall observe the fabric filter's discharge at least once each week the fabric filter system operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the fabric filter's discharge stack. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
51.	To establish compliance with the indicator range(s), the permittee shall provide instrumentation to continuously read and locally display each indicator being monitored. Data points shall be read and displayed on a data logger trend chart with the most recent readings displayed for a limited time overwriting previously recorded readings. Every 12-15 minutes an average reading of the data shall be recorded into a local or plant data acquisition and storage equipment. Data obtained shall be maintained by the appropriate Systems Department and reviewed in a timely manner. The instrumentation shall be maintained in accordance with the manufacturer's recommendations, calibrated annually, and the pressure taps checked for pluggage whenever the Emissions Unit indicates any discrepancy greater than 0.5 in. w.g. during operation. Corrective actions shall be taken within 1 day to identify the cause of the discrepancy.	18.2.3
52.	Prior to the submission of the permit renewal application, the permittee shall perform 3 hours of compliance testing to reestablish compliance with permit limits applicable to this Emissions Unit. During the testing, parametric monitoring parameters shall be recorded and included in the final test report. A copy of the test report shall be forwarded to the Department with the renewal applications.	18.2.3
53.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following listed production information of the source permitted herein: A. Tons of scrap steel charged to the furnace; B. Tons of liquified metal produced; C. Quantity of Injection carbon; D. Quantity of flux, charge carbon, and alternate iron added; E. Quantity of alloys Added; and F. Hours of operation of the furnace.	18.2.3
54.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NO _x , CO, VOC, SO _x , and HAPs. The calculations shall be submitted to the Department by February 10 th each year for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	013	Ladle Metallurgy Furnace, Alloy Addition and Wire Feeding, Vacuum Degassing, and a Reheat Furnace connected to a 65,000 SCFM Baghouse

Permit Conditions for Emissions Unit 013

	Federally Enforceable Conditions	Regulation
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of metal processed; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The permittee shall not discharge to the atmosphere any gases that exit from the baghouse that contain particulate matter in excess of 0.01gr/dscf. If required by the Department, the particulate matter emissions rate (front half filterable catch only) shall be measured by EPA reference Method 5 of appendix A of 40 CFR 60.	18.2.3
6.	The sampling time and sample volume for each run shall be at least 60 minutes and 60 dry standard cubic feet of gas respectively. The sampling shall be conducted only when the sources are operating.	18.2.3
7.	The permittee shall maintain a pressure differential of 0.5 – 10.0 in. w.g. across the fabric filter's tube sheet when the fabric filter is in operation. Pressure taps shall be located in the dust collector housing immediately above and below the filter media tube sheet. In the event that the pressure loss across the tube sheet of the fabric filter is not within the specified range, corrective actions shall be initiated within 1 hour. If upon completion of the initial attempt to return the pressure loss to the specified range, the pressure loss is still not within the specified range, the Emissions Unit and dust collector shall be shutdown for further inspection and repair.	18.2.3 40 CFR 64.3(a)(2) 40 CFR 64.7(d)
8.	The permittee shall observe the fabric filter's discharge at least once each week the fabric filter system operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the fabric filter's discharge stack. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3 40 CFR 64.6(c) (1)(ii) 40 CFR 64.7(d)

9.	Prior to the submission of the permit renewal application, the permittee shall perform 3 hours of compliance testing to reestablish compliance with permit limits applicable to this Emissions Unit. During the testing, parametric monitoring parameters shall be recorded and included in the final test report. A copy of the test report shall be forwarded to the Department with the renewal applications.	18.2.3
10.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NOx, CO, VOCs, and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	014	Ladle Metallurgy Furnace Baghouse Dust Storage Silo with a 375 SCFM Bin Vent Dust Collector

Permit Conditions for Emissions Unit 014

	Federally Enforceable Conditions	Regulation
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of metal processed; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The permittee shall not discharge to the atmosphere any gases that exit from the baghouse that contain particulate matter in excess of 0.01 gr/dscf. If required by the Department, the particulate matter emissions rate shall be measured by EPA reference Method 5 of appendix A of 40 CFR 60.	18.2.3
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	015	15 MMBtu/hr Vertical Ladle Preheater

Permit Conditions for Emissions Unit No. 015

	Federally Enforceable Conditions	Regulations
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <p>A. Quantity of natural gas combusted; and B. Hours of operation.</p>	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, VOCs, and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	016	2- 2200 HP Emergency Generator Engines (CI ICE) [The generator engines are subject to Subpart IIII of 40 CFR 60.] Caterpillar Model 3516 Emergency Generator Engine (SI ICE) [The generator engine is subject to Subpart ZZZZ of 40 CFR 63.]

Permit Conditions for Emissions Unit No. 016

	Federally Enforceable Conditions	Regulations
1.	Each of the 2200 HP generator engine (CI ICE) will be considered in compliance as long as the it meets the definition of emergency stationary reciprocating internal combustion engines (RICE) in 40 CFR 60.4219 of Subpart IIII and the company operates them in compliance with the requirements in 40 CFR 60.4205(b), 40 CFR 60.4206, 40 CFR 60.4207(b), 40 CFR 60.4209(a), 40 CFR 60.4211(a), 40 CFR 60.4211(f), 40 CFR 60.4211(f), 60.4211 (f)(1), 60.4211 (f)(2), 60.4211 (f)(2)(i), 60.4211(f)(3), and 60.4211(f)(3)(i). The permittee shall keep a record of the hours of operation of the engine in non-emergency situation.	40 CFR 60.4219 60.4205 60.4206 60.4207 60.4209 and 60.4211 18.2.3
2.	The Model 3516 generator engine (SI ICE) will be considered in compliance as long as it meets the definition of emergency stationary reciprocating internal combustion engines (RICE) in 40 CFR 63.6675 of Subpart ZZZZ and the company operates it in compliance with the requirements in 40 CFR 63.6625(e), 63.6625(f), 63.6640(e), 63.6640(f), 63.6640(f)(1), 63.6640(f)(2), 63.6640(f)(2)(1), 63.6655(e), and 63.6655(f). The permittee shall keep a record of the hours of operation of the engine in non-emergency situation.	40 CFR 63.6625(e) 63.6625(f) 63.6640(e) 63.6640(f) 63.6640(f)(1) 63.6640(f)(2) 63.6640((f)(2)(i) 63.6640(f)(4) 63.6655(e) 63.6655(f) 18.2.3
3.	The 2200 HP generator engines (CI ICE) permitted herein shall not be required to comply with the requirements of subpart ZZZZ of 40 CFR 63 as long as they meet the requirements of Subparts IIII of 40 CFR 60.	40 CFR 63.6590(c)
4.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NOx, CO, VOCs, and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	017	Cleaning and Chemical Conversion Coating process with a 33,187 CFM Scrubber

Permit Conditions for Emissions Unit No. 017

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department the total hours of operation of the unit for the previous year.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.24 lbs/hr. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, VOCs, and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u> <u>No.</u>	<u>Emissions</u> <u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	018	80 HP (203,600 MMBtu/hr) Natural Gas Fired Steam Boiler

Permit Conditions for Emissions Unit No. 018

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation of the steam boiler.	18.2.3
2.	Each boiler permitted herein shall have a particulate matter emissions rate not to exceed 0.50 lb/hr. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
3.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
4.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
5.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
6.	The boilers permitted herein shall not be subject to any requirements of Subpart JJJJJ of 40 CFR 63 as they are considered gas fired boilers by definition in §63.11237 and they are made exempt in §63.11195(e) of the same Subpart.	Subpart JJJJJ of 40 CFR 63
7.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} , NO _x , CO, SO ₂ , and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	019	2- Carbon Storage Silos with individual dust Collectors

Permit Conditions for Emissions Unit No. 019

	Federally Enforceable Conditions	Regulation
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <p>A. Quantity of carbon stored; and B. Hours of operation.</p>	18.2.3
2.	The permittee shall not discharge into the atmosphere from the silos, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from the silos, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	Each silo permitted herein shall have a particulate matter emissions rate not to exceed that allowed by Part 6.4 of the Rules and Regulations as measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
5.	<p>The permittee shall observe the fabric filter's discharge outlet at least once each week the conveying system operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the fabric filter's discharge outlet. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2.</p> <p>The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.</p>	18.2.3
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} . The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	020	U/X Burnt Lime Silo (Day Bin) with a 7,500 SCFM Baghouse

Permit Conditions for Emissions Unit No. 020

	Federally Enforceable Conditions	Regulation
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <p>A. Quantity of burnt lime; and B. Hours of operation.</p>	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The source permitted herein shall have a particulate matter emission rate not to exceed that allowed by Part 6.4 of the Rules and Regulations. If required by the Department, the emission rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
5.	<p>The permittee shall observe the fabric filter's discharge outlet at least once each week the conveying system operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the fabric filter's discharge outlet. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2.</p> <p>The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.</p>	18.2.3
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} . The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u> <u>No.</u>	<u>Emissions</u> <u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	021	North Burnt Lime Storage Silo with a 9,250 SCFM Baghouse

Permit Conditions for Emissions Unit No. 021

	Federally Enforceable Conditions	Regulation
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <p style="margin-left: 40px;">A. Quantity of burnt lime; and B. Hours of operation.</p>	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The source permitted herein shall have a particulate matter emissions rate not to exceed that allowed by Part 6.4 of the Rules and Regulations as measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	6.4.1
5.	<p>The permittee shall observe the fabric filter's discharge outlet at least once each week the conveying system operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the fabric filter's discharge outlet. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2.</p> <p>The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.</p>	18.2.3
6.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} . The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u> <u>No.</u>	<u>Emissions</u> <u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	022	LMF Material Handling Operations with 15,000 SCFM Baghouse

Permit Conditions for Emissions Unit No. 022

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of LMF flux; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The baghouse exhaust gas shall have a particulate matter emissions rate not to exceed 0.01 gr/dscf. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
5.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , and HAPs. The calculations shall be submitted to the Department by February 10th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	023	Continuous Round Caster and Torch Cut-Off Station

Permit Conditions for Emissions Unit No. 023

	Federally Enforceable Conditions	Regulation
1.	<p>The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein:</p> <p>A. Quantity of steel processed; B. Quantity of natural gas combusted; and C. Hours of operation.</p>	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, VOCs and HAPs, including the fugitive emissions from the roof monitor. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations, by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	024	Continuous Slab Caster and Torch Cut-Off Station

Permit Conditions for Emissions Unit No. 024

	Federally Enforceable Conditions	Regulation
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of steel processed; B. Quantity of natural gas used; and C. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3,	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NOx, CO, VOCs and HAPs, including the fugitive emissions from the roof monitor. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations, by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	025	62.4 MMBtu/hr Austenitizing Furnace

Permit Conditions for Emissions Unit No. 025

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.1.1.1
5.	The permittee shall not combust more than 0.086 million cubic feet of natural gas per hour.	18.2.3
6.	The Austenitizing furnace permitted herein shall have a NOx emissions rate not to exceed 8.32 lb/hr. If required by the Department, the NOx emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
7.	The permittee shall provide instrumentation to continuously measure and record the quantity of natural gas combusted in the furnace. The natural gas flow meter and recorder shall be calibrated annually.	18.2.3
8.	The permittee shall observe the furnace stack at least once each week the facility operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the furnace stack where the emissions were previously detected. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
9.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NOx, CO, VOC, SO ₂ , and HAPS. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	026	34.0 MMBtu/hr Tempering Furnace

Permit Conditions for Emissions Unit No. 026

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation.	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The permittee shall not combust more than 0.067 million cubic feet of natural gas per hour.	18.2.3
6.	The Tempering furnace permitted herein shall have a NOx emissions rate not to exceed 4.533 lb/hr. If required by the Department, the NOx emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
7.	The permittee shall provide instrumentation to continuously measure and record the quantity of natural gas combusted in the furnace. The natural gas flow meter and recorder shall be calibrated annually.	18.2.3
8.	The permittee shall observe each furnace stack at least once each week the facility operates. The observer shall permanently record the time and date of the observation, and the presence or absence of any visible emissions. If visible emissions are observed, corrective actions to eliminate the visible emissions shall be initiated within 1 hour. Within 24 hours of the completion of the corrective activities, the permittee shall again observe the furnace stack where the emissions were previously detected. If visible emissions are present, a certified observer shall complete an EPA Method 9 Visible Emissions Evaluation within 3 business days to establish compliance with the opacity limitation in Condition No. 2. The date, time, and type of corrective action initiated to eliminate the visible emissions and the date and time the corrective actions were completed shall be provided in the same record that contained the initial observation.	18.2.3
9.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , NOx, CO, VOC, SO ₂ , and HAPS. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility No.</u>	<u>Emissions Unit No.</u>	<u>Emissions Unit Description</u>
0371	027	Chemical Cleaning System, Annealing Furnace, Jet Cooler, Galvanizing Pot (Zinc)/ Galvalum Pot, Drying Oven, Acrylume Line, Jester Heater/Cooler.

Permit Conditions for Emissions Unit No. 027

	Federally Enforceable Conditions	Regulation
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation	18.2.3
2.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
3.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
4.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
5.	The source permitted herein shall have a NOx emissions rate not to exceed 7.70 lb/hr. If required by the Department, the NOx emissions rate shall be measured by EPA Reference Method 7E of appendix A of 40 CFR 60.	18.2.3
6.	The source permitted herein shall combust a maximum quantity of natural gas not to exceed 483×10^6 cu. ft. per calendar year, based on an annual rolling average as defined in Part 1.3 of the Rules and Regulations.	18.2.3
7.	The permittee shall maintain a record of monthly usage of natural gas to verify the compliance with the allowable quantity in Condition No. 6. Any excess usage of natural gas in any month that caused the allowable annual rate to be exceeded shall be reported to this Department within 15 days of the end of the month.	18.2.3
8.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , PM _{2.5} , SO ₂ , NOx, CO, VOCs and HAPs, and the fugitive emissions from the roof monitor. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations, by the Department shall be the basis for determining the annual emissions fees.	18.2.3

<u>Facility</u>	<u>Emissions</u>	
<u>No.</u>	<u>Unit No.</u>	<u>Emissions Unit Description</u>
0371	028	2-8.16 MMBtu/hr Natural Gas Fired Boilers

Permit Conditions for Emissions Unit No. 028

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10th of each calendar year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information of the source permitted herein: A. Quantity of natural gas combusted; and B. Hours of operation of the steam boiler.	18.2.3
2.	Each boiler permitted herein shall have a particulate matter emissions rate not to exceed 0.50 lb/hr. If required by the Department, the particulate matter emissions rate shall be measured by EPA Reference Method 5 of appendix A of 40 CFR 60.	18.2.3
3.	The permittee shall not discharge into the atmosphere from any source of emission, particulate of an opacity greater than that designated as twenty percent (20%) opacity, as determined by a six (6) minute average. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of appendix A of 40 CFR 60.	6.1.1 (a)
4.	The permittee may discharge into the atmosphere from a source of emission, particulate of an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.	6.1.1 (b)
5.	The Health Officer may, in the operating permit, exempt on a case by case basis exceedances of emission limits which cannot reasonably be avoided, such as during periods of start-up, shut-down or load change.	18.11.1
6.	The boilers permitted herein shall not be subject to any requirements of Subpart JJJJJ of 40 CFR 63 as they are considered as gas fired boilers by definition in §63.11237 and they are made exempt in §63.11195(e) of the same Subpart.	Subpart JJJJJ of 40 CFR 63
7.	The permittee shall make calculations for the previous year's actual emissions of TSP, PM ₁₀ , and PM _{2.5} , NO _x , CO, SO ₂ , and HAPs. The calculations shall be submitted to the Department by February 10 th each year. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	18.2.3

APPENDIX A: CROSS-REFERENCE TABLE: JCDH AIR POLLUTION CONTROL RULES AND REGULATIONS TO STATE IMPLEMENTATION PLAN

The citations to Alabama regulations provided below refer to the version of the regulation that has been approved by the U.S. EPA as part of Alabama's Clean Air Act state implementation plan (SIP), as identified in 40 CFR 52, Subpart B. In the event that there is a discrepancy between the information provided in the table below and the federal regulatory table identifying the Alabama SIP at 40 CFR 52, Subpart B, the federal regulatory table governs.

JCDH Citation	State Citation	Title/Subject
Chapter 1	Chapter No. 335-3-1	General Provisions
Part 1.1	Section 335-3-1-.01	Purpose
Part 1.3	Section 335-3-1-.02 ¹	Definitions
Part 1.7	Section 335-3-1-.03	Ambient Air Quality Standards
Part 1.9	Section 335-3-1-.04	Monitoring, Records, and Reporting
Part 1.10	Section 335-3-1-.05	Sampling and Test Methods
Part 1.11	Section 335-3-1-.06	Compliance Schedule
Part 1.12	Section 335-3-1-.07	Maintenance and Malfunctioning of Equipment; Reporting
Part 1.13	Section 335-3-1-.08	Prohibition of Air Pollution
Sections 3.2.1 – 3.2.4 & Part 3.4	Section 335-3-1-.09	Variances
Part 1.15	Section 335-3-1-.10	Circumvention
Part 1.16	Section 335-3-1-.11	Severability
Part 1.17	Section 335-3-1-.12	Bubble Provision
Part 1.18	Section 335-3-1-.13	Credible Evidence
Part 1.20	Section 335-3-1-.15	Emissions Inventory Reporting Requirements
Chapter 2	Chapter No. 335-3-14	Air Permits
Part 2.1	Section 335-3-14-.01	General Provisions
Part 2.2, except 2.2.4(h)	Section 335-3-14-.02	Permit Procedures
Part 2.3	Section 335-3-14-.03	Standards for Granting Permits
Part 2.4	Section 335-3-14-.04 ^{2,3}	Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration (PSD)]
Part 2.5	Section 335-3-14-.05 ⁴	Air Permits Authorizing Construction in or Near Nonattainment Areas
Chapter 4	Chapter No. 335-3-2	Air Pollution Emergency
Part 4.1	Section 335-3-2-.01	Air Pollution Emergency
Part 4.3	Section 335-3-2-.02	Episode Criteria
Part 4.4	Section 335-3-2-.03	Special Episode Criteria
Part 4.5	Section 335-3-2-.04	Emission Reduction Plans
Part 4.6	Section 335-3-2-.05	Two Contaminant Episode
Part 4.7	Section 335-3-2-.06	General Episodes
Part 4.8	Section 335-3-2-.07	Local Episodes
Part 4.9	Section 335-3-2-.08	Other Sources
Section 4.2.3	Section 335-3-2-.09	Other Authority Not Affected
Chapter 5	Chapter No. 335-3-3	Control of Open Burning and Incineration
Sections 5.1.1 – 5.1.5 ⁵	Section 335-3-3-.01	Open Burning

¹ Revisions of the definition of VOC to exclude *trans* 1-chloro-3,3,3-trifluoroprop-1-ene (Solstice™ 1233zs(E)), 2,3,3,3-tetrafluoropropene, and 2-amino-2-methyl-1-propanol (AMP) have not been approved into the SIP

² Revisions to the following provisions have not been approved as SIP changes by EPA: the permitting applicability statement for greenhouse gases at ADEM 335-3-14-04(1)(k) (JCDH 2.4.1(k)) and the definition of replacement unit at ADEM 335-3-14-04(2)(bbb) (JCDH 2.4.2(bbb))

³ As of Sept. 26, 2012 Section 335-3-14-04 does not include Alabama's revision to adopt the PM_{2.5} SILs threshold and provisions (as promulgated in the October 20, 2010 PM_{2.5} PSD Increment-SILs-SMC Rule at 40 CFR 1.166(k)(2) and the term "particulate matter emissions" (as promulgated in the May 16, 2008 NSR PM_{2.5} Rule (as 40 CFR 51.166(b)(49)(vi)).

⁴ The following provisions are not part of the EPA-approved SIP: the portion of 335-3-14-05(1)(k) (JCDH 2.5.1(k)) stating "excluding ethanol production facilities that produce ethanol by natural fermentation", 335-3-14-05(2)(c)3 (JCDH 2.5.2(c)(3)) which addresses fugitive emission increases and decreases, 335-3-14-05(1)(h) (JCDH 2.5.1(h)) stating the actual-to-potential test for projects that only involve existing emissions units, the last sentence at 335-3-14-05(3)(g) (JCDH 2.5.3(g)), stating "Interpollutant offsets shall be determined based on the following ratios"; and the NNSR interpollutant ratios at 335-3-14-05(3)(g)1-4 (JCDH 2.5.3(g)(1)-(4)).

⁵ See also Guidelines & Standard Operating Procedures for Issuance of Open Burning Authorizations at the end of Chapter 5. ADEM 335-3-3-01(2)(b)(6) also prohibits open burning during declared air stagnation advisories and drought emergencies.

JCDH Citation	State Citation	Title/Subject
Part 5.2	Section 335-3-3-.02	Incinerators
Part 5.3 ⁶ , except 5.3.4	Section 335-3-3-.03	Incineration of Wood, Peanut, and Cotton Ginning Waste
Chapter 6	Chapter No. 335-3-4	Control of Particulate Emissions
Sections 6.1.1 & 6.1.2	Section 335-3-4-.01 ⁷	Visible Emissions
Part 6.2	Section 335-3-4-.02 ⁸	Fugitive Dust and Fugitive Emissions
Part 6.3	Section 335-3-4-.03	Fuel Burning Equipment
Part 6.4	Section 335-3-4-.04	Process Industries—General
Part 6.5 ⁹	Section 335-3-4-.05	Small Foundry Cupola
Part 6.6 ¹⁰	Section 335-3-4-.06	Cotton Gins
Part 6.7	Section 335-3-4-.07	Kraft Pulp Mills
Part 6.8	Section 335-3-4-.08	Wood Waste Boilers
Part 6.9	Section 335-3-4-.09	Coke Ovens
Part 6.10	Section 335-3-4-.11	Cement Plants
Part 6.12	Section 335-3-4-.12	Xylene Oxidation Process
No equivalent provision	Section 335-3-4-.14	Grain Elevators
No equivalent provision	Section 335-3-4-.15	Secondary Lead Smelters
Chapter 7	Chapter No. 335-3-5	Control of Sulfur Compound Emissions
Part 7.1	Section 335-3-5-.01	Fuel Combustions
Part 7.2 is not equivalent	Section 335-3-5-.02	Sulfuric Acid Plants
No equivalent provision	Section 335-3-5-.03	Petroleum Production
No equivalent provision	Section 335-3-5-.04	Kraft Pulp Mills
No equivalent provision	Section 335-3-5-.05	Process Industries—General
Chapter 8	Chapter No. 335-3-6	Control of Volatile Organic Compound (VOC) Emissions
Part 8.1 ¹¹	Section 335-3-6-.24	Applicability
Part 8.2	Section 335-3-6-.25	VOC Water Separation
Part 8.3	Section 335-3-6-.26 ^{12, 13}	Loading and Storage of VOC
Part 8.4	Section 335-3-6-.27	Fixed-Roof Petroleum Liquid Storage Vessels
Part 8.5	Section 335-3-6-.28	Bulk Gasoline Plants
Part 8.6	Section 335-3-6-.29	Gasoline Terminals
Part 8.7, except 8.7.4(b) & 8.7.5(e)	Section 335-3-6-.30	Gasoline Dispensing Facilities Stage 1
Part 8.11	Section 335-3-6-.32	Surface Coating
Part 8.12	Section 335-3-6-.33 ¹⁴	Solvent Metal Cleaning
Part 8.13	Section 335-3-6-.34	Cutback and Emulsified Asphalt
Part 8.15	Section 335-3-6-.36	Compliance Schedules
Part 8.16 ¹⁵	Section 335-3-6-.37	Test Methods and Procedures
Part 8.18	Section 335-3-6-.39	Manufacture of Synthesized Pharmaceutical Products
Part 8.20, except 8.20.8	Section 335-3-6-.41	Leaks from Gasoline Tank Trucks and Vapor Collection Systems
Part 8.22	Section 335-3-6-.43 ¹⁶	Graphic Arts

⁶ JCDH has no equivalent for ADEM 335-3-3-.03(5), which states "Each incinerator subject to this Rule shall be properly designed, equipped, and maintained for its maximum rated burning capacity and shall be equipped with an underfire forced air system, an over-fire air recirculation secondary construction system, and variable control damper, all of which shall be electronically controlled to insure the optimum temperature range for the complete combustion of the amount and type of material waste being charged into the incinerator. Each such incinerator shall be equipped with a temperature recorder which shall be operated continuously with the incinerator, and the temperature records shall be made available for inspection at the request of the Director."

⁷ ADEM 335-3-4-.01(1) & (2) are included in the EPA-approved SIP, however, the remaining provisions are not SIP-approved.

⁸ ADEM 335-3-4-.02(4) was removed effective July 15, 1999, however, the provision is still included in the EPA-approved SIP.

⁹ All allowable emissions rates in Table 6-3 should be construed to have 2 significant figures, consistent with ADEM 335-3-4-.05, Table 4-3.

¹⁰ All allowable emissions rates in Table 6-4 should be construed to have 1 significant figure, consistent with ADEM 335-3-4-.06, Table 4-4.

¹¹ The definition at ADEM 335-3-6-.24(2)(d) is located at JCDH Part 1.3.

¹² The EPA-approved SIP excludes only 11 compounds from the definition of VOC at ADEM 335-3-6-.26(1) (JCDH 8.3.1). The SIP-approved exemptions are listed in ADEM 335-3-1-.02(1)(gggg)(JCDH Part 1.3) as numbered exemptions 1-10 and 20).

¹³ The EPA-approved SIP requires a disposal system in conjunction with equipment required by ADEM 335-3-6-.26(2)(c)1 (i) (JCDH 8.3.2(c)(1)(i)).

¹⁴ ADEM 335-3-6-.33(5)(n) (JCDH 8.12.5(n)) is not included in the approved SIP.

¹⁵ Federally enforceable testing provisions for perchloroethylene dry cleaning systems are located at ADEM 335-3-6-.37(5) and federally enforceable testing provisions for capture efficiency are located at ADEM 335-3-6-.37(13).

¹⁶ The following provisions are not included in the EPA-approved SIP: the last 4 sentences of ADEM 335-3-6-.43(1)(c) (JCDH 8.22 (c)), provision ADEM 335-3-6-.43(1)(f) (JCDH 8.22.1(f)) and all provisions of ADEM 335-3-6-.43(5) & (6) (JCDH 8.22.5 and 8.22.6).

JCDH Citation	State Citation	Title/Subject
Part 8.23	Section 335-3-6-.44	Petroleum Liquid Storage in External Floating Roof Tanks
Part 8.24	Section 335-3-6-.45	Large Petroleum Dry Cleaners
Part 8.26	Section 335-3-6-.47	Leaks from Coke by-Product Recovery Plant Equipment
Part 8.27	Section 335-3-6-.48	Emissions from Coke by-Product Recovery Plant Coke Oven Gas Bleeder
Part 8.28	Section 335-3-6-.49 ¹⁷	Manufacture of Laminated Countertops
Part 8.29	Section 335-3-6-.50	Paint Manufacture
Part 8.23 ¹⁸	Section 335-3-6-.53	List of EPA Approved and Equivalent Test Methods and Procedures for the Purpose of Determining VOC Emissions
Chapter 9	Chapter No. 335-3-7	Control of Carbon Monoxide Emissions
Part 9.1	Section 335-3-7-.01	Metals Productions
Part 9.2	Section 335-3-7-.02	Petroleum Processes
Chapter 10	Chapter No. 335-3-8	Control of Nitrogen Oxides Emissions
Part 10.1	Section 335-3-8-.01	Standards for Portland Cement Kilns
Part 10.2	Section 335-3-8-.02	Nitric Acid Manufacturing
Part 10.3	Section 335-3-8-.03	NO _x Emissions from Electric Utility Generating Units
Part 10.4	Section 335-3-8-.04	Standards for Stationary Reciprocating Internal Combustion Engines
Part 10.5	Section 335-3-8-.05 ¹⁹	New Combustion Sources
Chapter 11	Chapter No. 335-3-9	Control of Emissions from Motor Vehicles
Part 11.1	Section 335-3-9-.01	Visible Emission Restriction for Motor Vehicles
Part 11.2	Section 335-3-9-.02	Ignition System and Engine Speed
Part 11.3	Section 335-3-9-.03	Crankcase Ventilation Systems
Part 11.4	Section 335-3-9-.04	Exhaust Emission Control Systems
Part 11.5	Section 335-3-9-.05	Evaporative Loss Control Systems
Part 11.6	Section 335-3-9-.06	Other Prohibited Acts
Part 11.7	Section 335-3-9-.07	Effective Date
Chapter 17	Chapter No. 335-3-15	Synthetic Minor Operating Permits
Part 17.1	Section 335-3-15-.01 ²⁰	Definitions
Part 17.2, except 17.2.8(h)(7)	Section 335-3-15-.02 ²¹	General Provisions
Part 17.3	Section 335-3-15-.03	Applicability
Part 17.4 ²²	Section 335-3-15-.04	Synthetic Minor Operating Permit Requirements
Part 17.5, except 17.5.2	Section 335-3-15-.05	Public Participation
Chapter 19	Chapter No. 335-3-17	Conformity of Federal Actions to State Implementation Plans
Part 19.1	Section 335-3-17.01 ²³	Transportation Conformity
Part 19.2	Section 335-3-17-.02	General Conformity

¹⁷ Current ADEM 335-6-49(4) & (5) (JCDH 8 28.4 and 8 28.5) are not included in the EPA-approved SIP. The SIP-approved version of ADEM 335-6-49(4) (JCDH 8 28.4) is "Compliance with this Rule shall be demonstrated via certification by the adhesive manufacturer as to the composition of the adhesive, if supported by actual batch formulation records. Sufficient data to determine as-applied formulation is different from the as-purchased adhesive."

¹⁸ Test Methods 204, 204A-204F are not included in the APR-approved SIP.

¹⁹ ADEM 335-3-8-.05 was approved into the SIP as ADEM 335-3-8-.14 but was renumbered when CAIR provisions were removed.

²⁰ Only the first sentence of ADEM 335-3-15-.01(g) is approved into the SIP. JCDH does not include the unapproved language.

²¹ ADEM 335-3-15-.02(10) is not included in the EPA-approved SIP. JCDH does not include the unapproved provision.

²² JCDH Part 17.4 does not include the federally enforceable provisions of ADEM 335-3-15-.04(1)(g) and (3)(c).

²³ The reference to July 1, 2012 in ADEM 335-3-14-.01 and JCDH Part 19.1.1 has not been approved into the SIP.