

JEFFERSON COUNTY DEPARTMENT OF HEALTH

AIR POLLUTION PROGRAM

MAJOR SOURCE OPERATING PERMIT/ TITLE V PERMIT

Permittee: U.S. Pipe and Foundry Company, LLC - Alabama Works

Location: 2023 St. Louis Avenue
Bessemer, Alabama 35020

Permit No: 4-07-0340-04

Issuance Date: March 23, 2020

Expiration Date: March 22, 2025

Nature of Business: Manufacturer of Cast Iron Pipes

Emissions Unit Nos.	Emissions Unit Description
002	Automatic Metallic Zinc Wire Application System for External Pipe Coating with a 15,000 SCFM Baghouse
003	1-1500 Gallon Capacity Gasoline Storage Tank and Dispensing Facility with STAGE I Controls
008	Saw House No. 1 with an 11,000 SCFM Baghouse
014	4 Sand, 3 Cement, 1 Cupola TETS Additive, and a Powdered Lime Storage Silos with Bin Vent Dust Collectors
016	A Gray Iron Cupola connected to an Afterburner and a 68,000 DSCFM Baghouse (The source is subject to Subpart EEEEE of 40 CFR 63.)
017	HMT Melting, Desulfurization (Lime Bubbler), and Ductile Treating connected to a 70,000 ACFM Baghouse
020	Annealing Ovens (Metal Processing Furnaces) Nos. 3, 4, LD 1- 6, and No. 1 (Marvell City Mini Mill) and Drying and Curing Tunnel (Marvell City Mini Mill) [Each oven is subject to Subpart DDDDD of 40 CFR 63.]
029	14.7 MMBTU/hr Natural Gas Fired Hot Water Boiler (The boiler is subject to Subparts Dc of 40 CFR 60 and DDDDD of 40 CFR 63.)
030	Zinc Coating Media Blast Cleaning with a 5,000 SCFM Baghouse
031	Miscellaneous Natural Gas Usage, 3- Core Making Machines, and a 1.47 MINIBTU/hr Paint Heater Boiler (The boiler is subject to Subpart DDDDD of 40 CFR 63.)
032	Pipe Mold and Media Blast System with a 18,400 SCFM Baghouse
033	HMT Holding Furnace and Ductile Treating, HMT Casting, and Cast Cooling connected to a 130,000 ACFM Baghouse (Marvel City Mini Mill)
034	Core Cutters with a 2,300 SCFM Cyclone (Marvell City Mini Mill)
035	Asphalt Coating Line No. 3 with a 5,000 SCFM Paint Overspray Fabric Filter and Coating Line No. 2 (The coating lines are Subject to Subpart MMMM of 40 CFR 63.)
036	Saw House No. 3 with a 5,000 SCFM Baghouse
037	Large Diameter Chop Saw with a 1,700 SCFM Baghouse
038	Forehearth and Ladle Burnout connected to a 30,000 ACFM Baghouse
039	Mold Shop Inlay Welding with a 12,000 SCFM Baghouse
040	Cleaning, Grinding, and Sawing with a 5,000 SCFM Baghouse (Marvell City Mini Mill)
041	Zinc Spray Coating with a 8,500 SCFM Baghouse (Marvell City Mini Mill)
042	Zinc Brush Cleaning with a 5,900 SCFM Baghouse (Marvell City Mini Mill)
043	TR Flex Bead Welder with a 1,000 SCFM Baghouse (Marvell City Mini Mill)
044	Asphalt Coating Line (Marvel City Mini Mill) with a 5,000 SCFM Paint Overspray Fabric Filter (The coating line is Subject to Subpart MMMM of 40 CFR 63.)
045	Slag Screening and Iron Recovery consisting of a Grizzly and 2 Shaker Screens



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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 application 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 citizens 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 citizens 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 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, serve as the origin and authority for the associated permit term or condition.

No.	Federally Enforceable General Permit Conditions	Regulations
1.	<p><u>Basis for Permit</u></p> <p>This Operating 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 this permit). 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 in this permit) to comply with such new Rules and Regulations. Additions and revisions to the conditions in this Operating 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.</p>	AL Act 769
2.	<p><u>Authority</u></p> <p>Nothing in this Operating Permit or conditions appended thereto shall negate any authority granted to this Department or the Health Officer pursuant to Alabama Air Pollution Control Act No. 769 (Regular Session, 1971) and Act No. 612 (Regular Session, 1982) or any regulations promulgated thereunder.</p>	AL Act 769
3.	<p><u>Emission Reduction Plan</u></p> <p>Upon notification by this Department, the permittee shall submit an Air Pollution Emission Reduction Plan in a format approved by this Department concerning air contaminant emissions reductions to be taken during declared air pollution episodes.</p>	18.2.8(b)
4.	<p><u>Bypass Prohibited</u></p> <p>Except as otherwise 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>	18.2.4
5.	<p><u>Transfer</u></p> <p>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.</p>	18.2.6
6.	<p><u>Shutdown of Controls</u></p> <p>In the case of shutdown of air pollution control equipment for scheduled maintenance, the intent shall be reported to this Department at least 24 hours prior to the planned shutdown unless the scheduled shutdown is accompanied with the shutdown of the source being controlled. The report shall contain the information listed in Section 1.12.1.</p>	1.12.1

7.	<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 Parts 51, 60, 61, and/or 63 of Title 40 of the Code of Federal Regulations.</p>	1.9.1
8.	<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>	1.9.1
9.	<p><u>Provisions for Testing</u></p> <p>The permittee shall provide each point of emission required to be tested with sampling ports, ladders, stationary platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by 40 CFR 60.</p>	1.10.3
10.	<p><u>Test Results</u></p> <p>The permittee shall submit the results of all required emissions tests in duplicate bound copies to this Department within a time period specified by this Department; however, not to exceed 4 weeks from the test completion date. The submittal must include a certification signed by a responsible official consistent with Section 18.4.9 of the regulations.</p>	1.10.4
11.	<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 the pressure drop across the filter media in the control device. The device shall be installed in a location which is easily accessible for inspection by Department personnel.</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 emissions 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 work performed on the pollution control device shall be recorded. These records shall be kept in a permanent form suitable for inspection.</p>	18.2.4 18.5.3(a)(2)
12.	<p><u>Fugitive Dust</u></p> <p>A. The permittee shall take reasonable precautions to prevent dust from any operation, process, handling, storage, or transportation activity, including dust from paved and unpaved roads, 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</p>	6.2 18.2.4

	<p>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>Airborne 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 for the following sources of fugitive dust:</p> <ol style="list-style-type: none"> 1. Use of water sprays on material storage piles; 2. Use of water trucks and/or vacuum sweepers on paved surfaces; 3. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures and during construction operations; and 4. Adequate containment methods shall be employed during sand blasting or similar operations. <p>Wet suppression may be accomplished by the application of water with or without the addition of surfactants, wetting agents or other additives to increase the effectiveness of wet suppression. Manufacturer's documentation of the contents of any chemical used for dust suppression shall be maintained and readily made available upon request by the Department. Monitoring shall be accomplished through recordkeeping of the measures taken. Other dust control methods not listed above may be used subject to Department approval.</p>	
13.	<p><u>Malfunction</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. Any malfunction shall be reported to the Department within 2 days of the occurrence. All reports must be signed by a responsible official consistent with Section 18.4.9 of the regulations.</p>	<p>1.12.2 18.5.3(c)(2) 18.7.1</p>
14.	<p><u>Monitoring Records</u></p> <p>A. The following monitoring records are required, where appropriate to demonstrate compliance with required monitoring::</p> <ol style="list-style-type: none"> 1. The date, place (as defined in the permit), and time of all sampling or measurements; 2. The date(s) analyses were performed; 3. The company or entity that performed the analyses; 4. The analytical techniques or methods used; 5. The results of all analyses; and 6. The operating conditions that existed at the time of sampling or measurement. <p>B. Records of all required monitoring shall be retained for a period of 5 years from the date of measurement including all calibration and maintenance records and all original recordings and copies of all reports.</p>	<p>18.5.3(b)</p>
15.	<p><u>Monitoring Reports</u></p> <p>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</p>	<p>18.5.3(c)(1) 18.7.1</p>

	be clearly identified in such reports. All reports must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	
16.	<p><u>Deviations</u></p> <p>Deviations from permit requirements shall be reported within 48 hours of deviation, including those attributable to upset conditions, the probable cause of said deviations and any corrective actions or preventive measures that were taken. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.</p>	<p>18.5.3(c)(2) 18..7.1</p>
17.	<p><u>Severability</u></p> <p>In case of legal challenge to any portion of this Operating Permit, the remainder of the permit conditions shall continue in force.</p>	18.5.5
18.	<p><u>Compliance</u></p> <p>The permittee shall comply with all conditions of the Rules and Regulations. Noncompliance with a permit condition will constitute a violation of the Act 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.</p>	<p>18.5.6 18.4.8(h) 18.7.3 18.7.6</p>
19.	<p><u>Compliance Defense</u></p> <p>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.</p>	18.5.7
20.	<p><u>Termination for Cause</u></p> <p>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.</p>	18.5.8
21.	<p><u>Property Rights</u></p> <p>No property rights of any sort or any exclusive privilege are conveyed through the issuance of this Operating Permit.</p>	18.5.9
22.	<p><u>Furnishing Requested Information</u></p> <p>The permittee shall furnish to the Department within 30 days, or for such other 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. For information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.</p>	<p>18.5.10 70.6(a)(6)(v)</p>
23.	<p><u>Payment of Fees</u></p> <p>The permittee must have paid all fees required by the Rules and Regulations or the Operating Permit is not valid. Payment of operating permit fees required under Chapter 16 of the Rules and Regulations shall be made on or before the date specified under Section 16.5.1 of the Rules and Regulations of each year. Failure to make payment of fees within 30 days of the specified</p>	<p>18.5.11 Chapter 16 16.5</p>

	date shall cause the assessment of a late fee of 3% (of the original fee) per month or fraction thereof.	
24.	<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
25.	<p><u>Alternative Operating Scenario</u></p> <p>With respect to any alternative operating scenarios included in this permit, the permittee shall:</p> <p>A. Record the change from one operating scenario to another in a log at the permitted facility. The recording of the change shall be made contemporaneously with the change, and the log shall contain the scenario under which the facility currently operating.</p> <p>B. Ensure that terms and conditions of each alternative operating scenario meet all of the requirements of this permit, as well as, the Rules and Regulations.</p>	18.5.13
26.	<p><u>Entry and Inspections</u></p> <p>The permittee shall allow the Department, ADEM, EPA or authorized representative, upon presentation of credentials and other documents that may be required by law, to conduct the following:</p> <p>A. 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>B. Review and/or copy at reasonable times any records kept pursuant to the permit conditions;</p> <p>C. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices or operations required by the permit; and</p> <p>D. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements.</p> <p>Denial of access upon proper identification is grounds for permit revocation.</p>	1.8 18.7.2 18.2.9(d)
27.	<p><u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually within 30 days of the anniversary of the initial issue date (Permit No. 4-07-0340-01 was issued on July 31, 2002). The permittee shall provide a means for assuring the compliance of its air pollution sources with the emissions limitation, standards and work practices listed or referenced within this permit. The certification must be signed by a responsible official consistent with Section 18.4.9 of the regulations.</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 this permit that is the basis of the certification; 2. The compliance status; 3. Whether compliance has been continuous or intermittent; 4. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with this permit and the Rules and Regulations; and 	18.7.1 18.7.5(c) 18.7.5(d) 18.7.5(e) 18.4.9

	<p>5. Such other facts as the Department may require to determine the compliance status of the source.</p> <p>B. The compliance certification shall be submitted to:</p> <p style="text-align: center;">Jefferson County Department of Health Air & Radiation Protection Division P.O. Box 2648 Birmingham, Alabama 35202-2648 and to EPA Region IV Air & EPCRA Enforcement Branch 61 Forsyth Street Atlanta, GA 30365</p>	
28.	<p><u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this Operating Permit will be reopened and revised prior to the expiration of the permit:</p> <p>A. Additional applicable requirements under the Clean Air Act become applicable to the permittee with a remaining permit term of 3 or more years. Such a reopening shall be completed no 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 on 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, ADEM 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, ADEM or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	18.13.5
29.	<p><u>Changes</u></p> <p>Certain changes (per Section 502 (B)(10) of the Act) can be made to this Operating Permit without a revision if no modification as defined in the Rules and Regulations would occur and the changes do not exceed the emissions allowed under this permit provided that written notification is sent to the Department and EPA at least 7 days before the change is made. The written notification shall describe the proposed change, the date of the change, any change in emissions, and any term or condition of the permit which is no longer valid due to the change. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.</p>	18.13.2 18.7.1
30.	<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 Operating Permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not</p>	18.11.2 18.7.1

	<p>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"> 1. The permittee can identify the cause(s) of the emergency; 2. At the time of the emergency, the permitted facility was being properly operated; 3. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; 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 to the Department, with a certification signed by a responsible official consistent with Section 18.4.9 of the regulations.; and 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>C. The permittee has the burden of proof to assert and establish that excess emissions were attributable to an emergency.</p> <p>D. This provision is in addition to any emergency or upset provision contained in any applicable requirement.</p>	
31.	<p><u>Nothing in this Operating Permit shall alter or affect the following:</u></p> <ol style="list-style-type: none"> A. The provisions of §303 of the Act (emergency orders), including the authority of the Administrator under that section; B. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; C. The applicable requirements of the acid rain program, consistent with §408(a) of the Act; or D. The ability of EPA to obtain information from a source pursuant to §114 of the Act. 	18.10.3
32.	<p><u>Expiration</u></p> <p>A source's right to operate shall terminate upon the expiration of this Operating Permit unless a timely 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. The expiration date of this Operating Permit is printed on the first page of this permit. The permittee shall return all expired permits to this Department as soon as possible.</p>	18.12.2(b) 18.4.3 18.5.2
33.	<p><u>Minor Permit Modifications</u></p> <p>Minor permit modification procedures may be used only for those permit modifications that:</p> <ol style="list-style-type: none"> A. Do not violate any applicable requirement; 	18.13.3

	<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> <ol style="list-style-type: none"> 1. A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the Act; and 2. An alternative emissions limit approved pursuant to regulations promulgated under §112(i)(5) of the Act; <p>E. Are not modifications under any provision of title I of the Act; and</p> <p>F. F. Are not required by Part 18.12 of this Chapter to be processed as a significant modification.</p>	
34.	<p><u>Display and Availability of Permit</u></p> <p>The permittee shall keep this Operating Permit under file or on display at all times at the site where the source is located and shall make the permit available for inspection by any and all persons who may request to see it.</p>	18.2.2
35.	<p><u>Acceptance of Permit</u></p> <p>The permittee is required to bring the operation of a source within the standards of Paragraph 18.2.8(a) of the Rules and Regulations. Commencing construction or operation of the source shall be deemed acceptance of all conditions specified. A Title V Operating Permit with revised conditions may be issued upon receipt of a new application if the permittee demonstrates that the source can operate within the standard of Paragraph 18.2.8(a) of the Rules and Regulations under the revised conditions.</p>	18.2.4
36.	<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 Operating Permit shall be revoked. No further application for an Operating Permit shall be accepted until the source has been reconstructed in accordance with the Operating 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)
37.	<p><u>Revocation</u></p> <p>This Operating Permit may be revoked for any of the following reasons:</p> <ol 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; 	18.2.9

	<p>C. Failure to comply with any provisions of any Department administrative order issued concerning the permitted facility;</p> <p>D. Failure to allow entry and inspections by properly identified Department personnel;</p> <p>E. Failure to comply with the Rules and Regulations; or</p> <p>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 Rules and Regulations.</p>	
38.	<p><u>Additional Information and Corrected Information</u></p> <p>The permittee shall submit any additional information to the Department to supplement or correct an application promptly after becoming aware of the need for additional or corrected information. Also, the permittee shall submit additional information concerning any new requirements which have become applicable after a complete application has been filed but before a draft permit is released. Any change in the information already provided pursuant to 40 CFR 63 shall be provided in writing within 15 calendar days after the change. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.</p>	<p>18.4.7 63.9(j) 18.7.1</p>
39.	<p><u>Significant Modifications</u></p> <p>Modifications that are significant modifications under the new source review permitting provisions of Part 2.4 (Prevention of Significant Deterioration) or Part 2.5 (Nonattainment Areas) regulations, are modifications under the NSPS or NESHAPS regulations, or otherwise do not meet the requirements for minor permit modifications from Section 18.13.3 of the Rules and Regulations must be incorporated in the Operating Permit using the requirements for sources initially applying for an Operating Permit, including those for applications, public participation, review by affected States, review by ADEM, and review by EPA, as described in Parts 18.4 and 18.15 of the Rules and Regulations.</p>	<p>18.13.4</p>
40.	<p><u>Compliance With Existing and Future Regulations</u></p> <p>A. The permittee shall comply with all conditions of the Rules and Regulations.</p> <p>B. The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>C. The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit, and shall follow any more detailed schedule of compliance set forth in the applicable requirement or unit specific permit requirements.</p> <p>D. The permittee shall be subject to any future MACT standards from the effective date as published by EPA and shall comply with the rule by the compliance date.</p>	<p>18.5.6 18.4.8(h) 18.7.3 18.7.6</p>
41.	<p><u>Annual Production Data and Emissions Report</u></p> <p>The permittee shall submit by February 10th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the production information listed at the beginning of each emission unit section and the emissions calculations listed at the end of each emission unit section. The certification must be signed by a responsible official consistent with Section 18.4.9 of the regulations.</p>	<p>1.9.2 1.5.15 18.7.1</p>
42.	<p><u>Obnoxious Odors</u></p> <p>This Operating Permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Department inspectors, measures to abate the odorous emissions</p>	<p>6.2.3</p>

	shall be taken upon determination by this Department that these measures are technically and economically feasible.	
43.	<p><u>MACT Standard</u></p> <p>For each building or structure housing any emissions source at this facility, the permittee must not discharge any fugitive emissions to the atmosphere that exhibit opacity greater than 20 percent (6-minute average), except for one 6-minute average per hour that does not exceed 27 percent opacity.</p>	60 CFR 63.7690(a)(7)
44.	<p><u>New Air Pollution Sources</u></p> <p>A new permit application shall be made for new sources, replacement, alternations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.</p>	1.5.15 18.2.4
45.	<p><u>Prevention of Accidental Releases</u></p> <p>The permittee shall comply with the requirements of § 112(r) of the Act and 40 CFR 68 to prevent accidental releases of any substance listed pursuant to § 112(r) or any other extremely hazardous substance.</p>	112(r) 40 CFR 68
46.	<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, 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. The report must include a certification signed by a responsible official consistent with Section 18.4.9 of the regulations.</p>	40 CFR 82 18.1.1(e)(10) 18.1.1(w)(4) 18.7.1
47.	<p><u>Asbestos Demolition and Renovation</u></p> <p>Demolition and renovation activities at this facility are subject to the National Emission Standard for Asbestos, 40 CFR 61, Subpart M. To determine the applicable 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>	40 CFR 61 14.2.12

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	002	Automatic Metallic Zinc Wire Application System for External Pipe Coating with a 15,000 SCFM Baghouse

Permit Conditions for Emission Unit No. 002

	Federally Enforceable Conditions	Regulations
1.	<p>The permittee shall submit by February 10th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following production information of the source permitted herein:</p> <p>A. Hours of operation of Baghouse; B. Hours of operation of Zinc Coater; and C. Amount of Zinc Wire in pounds per year.</p>	<p>1.9.2 1.5.15 18.2.4</p>
2.	<p>The source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.</p>	6.1.1
3.	<p>The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.</p>	6.1.1(b)
4.	<p>The permittee shall monitor opacity on Condition No. 2 by conducting daily visual emissions observations on the baghouse stack. If opacity of emissions were observed, the permittee shall start the following procedures:</p> <p>A. The permittee shall immediately start Method 22 test in accordance with the procedures in Appendix A of 40 CFR 60. The Method 22 shall be conducted while the sources are operating as the representative performance conditions and the duration of Method 22 test shall be 6 minutes.</p> <p>B. If visible emissions are observed during any Method 22 visible emissions test, the permittee shall initiate, within 1 hour, the corrective actions specified in the site specific operation and maintenance plan developed by the permittee. Within 24 hours of the end of the Method 22 test in which visible emissions were observed, the permittee shall conduct a follow up Method 22 test on the baghouse stack from which visual emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow up Method 22 test from the stack from which visible emissions were observed during the previous Method 22 test, the permittee shall conduct a visual opacity test on the stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of Appendix A of 40 CFR 60. The duration of the Method 9 test shall be 30 minutes.</p>	18.5.3
5.	<p>The source permitted herein shall have a particulate matter emissions rate not to exceed 1.29 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.</p>	<p>6.4 18.2.4</p>
6.	<p>The permittee shall make calculations for the previous year's actual emissions of TSP, PM₁₀, PM_{2.5}, NO_x, CO, VOC, SO₂ 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>	<p>1.9.2 1.5.15 18.2.4</p>

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	003	1-1500 Gallo Capacity Gasoline Storage Tank and Dispensing Facility with STAGE 1 Controls

Permit Conditions for Emission Unit No. 003

	Federally Enforceable Conditions	Regulations
1.	The permittee shall not transfer, cause or allow the transfer of gasoline from a gasoline tank truck into any stationary storage tank at the permitted facility herein unless the tank is equipped with a submerged fill pipe and the vapors displaced from the storage tank during filling are processed by a vapor control system that complies with Section 8.7.4 of the Rules and Regulations.	8.7.3
2.	The vapor control system required in Condition No. 1 shall include a vapor balance system (Stage 1) between the stationary storage tank and the gasoline tank truck and a system that will ensure the vapor line is connected before gasoline can be transferred into the tank.	8.7.4(a)
3.	The source permitted herein shall not disconnect the existing vapor balance system and shall maintain the system in proper working order in accordance with the conditions of this permit.	8.7.7 18.2.4
4.	The permittee shall not allow the gasoline tank truck to transfer gasoline into the gasoline storage tank permitted herein unless the tank truck has a valid Jefferson County Department of Health Air Sticker for the gasoline tank truck.	8.20.4(a)
5.	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.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	008	Saw House No. 1 with an 11,000 SCFM Baghouse

Permit Conditions for Emission Unit No. 008

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year the hours of operation of the saws, the grinders, and each baghouse.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 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 particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	6.1.1(b)
4.	The permittee shall perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.94 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.	6.4 18.2.4
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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	014	4 Sand, 3 Cement, 1 Cupola TENS Additive, and a Powdered Lime Storage Silos with Bin Vent Dust Collectors

Permit Conditions for Emission Unit No. 014

<u>Federally Enforceable Conditions</u>		<u>Regulations</u>
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following information for the source permitted herein: A. Quantity of material through each silo B. Hours of operation of each silo	1.9.2 1.5.15 18.2.4
2.	The source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of current Appendix A of 40 CFR 60.	6.1.1(a)
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	6.1.1(b)
4.	The permittee shall perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.10 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.	6.4 18.2.4
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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	016	A Grey Iron Cupola connected to an Afterburner and a 68,000 DSCFM Baghouse (The source is subject to Subpart EEEE of 40 CFR 63.)

Permit Conditions for Emission Unit No. 016

	<u>Federally Enforceable Conditions</u>	<u>Regulations</u>
1.	<p>The permittee shall submit by February 10th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following information for the source permitted herein:</p> <p>A. Quantity of Iron/Steel produced; B. Quantity of coke added; C. Quantity of Limestone added; D. Quantity of Ferrosilicon added; E. Quantity of Dolomite added; F. Natural Gas and Propane (Cupola and Recuperator) Burned; G. Hours cupola operated controlled for TSP and CO; H. Hours cupola operated uncontrolled for CO (Burners off); and I. Total hours cupola operated (Controlled/Uncontrolled).</p>	<p>1.9.2 1.5.15 18.2.4</p>
	<u>Emissions and Opacity Limits</u>	
2.	The permittee must not discharge emissions through the conveyance (baghouse) to the atmosphere that exceed 0.006 gr/dscf PM (particulate matter) or 0.10 lb/T of PM per ton of metal charged. If required by the Department, the opacity shall be determined by EPA Method 9 of current Appendix A of 40 CFR 60.	<p>40 CFR 63.7690(a)(2)(i) or (a)(2)(ii)</p>
3.	The sources permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of current Appendix A of 40 CFR 60.	<p>6.1.1(a)</p>
4.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	<p>6.1.1(b)</p>
5.	The permittee must not discharge any fugitive emissions from the building or structure housing the iron and steel foundry to the atmosphere from foundry operations that exhibit opacity greater than 20 percent (6-minute average), except for one 6-minute average per hour that does not exceed 27 percent opacity. If required by the Department, the opacity shall be determined by EPA Reference Method 9 of Appendix A of 40 CFR 60.	<p>40 CFR 63.7690(a)(7)</p>
6.	The permittee shall monitor opacity in Condition No. 3 by conducting daily visual emissions observations on the baghouse stack in accordance with the procedures of Method 22 of Appendix A of 40 CFR 60. The Method 22 shall be conducted while the sources are operating at the representative performance conditions. The duration of Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee shall initiate, within 1 hour, the corrective actions specified in the site specific operation and maintenance plan developed by the permittee. Within 24 hours of the end of the Method 22 test in which visible emissions were observed, the permittee shall conduct a follow up Method 22 test on the baghouse stack from which visual emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow up Method 22 test from the stack from which visible emissions were observed during the previous Method 22 test, the permittee shall conduct a visual opacity test on the stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of Appendix A of 40 CFR 60. The duration of the Method 9 test shall be 30 minutes.	<p>18.5.3</p>

	<u>Carbon Monoxide Emissions</u>	
7.	The permittee shall not emit carbon monoxide gases generated during the operation of the cupola permitted herein unless they are burned at 1,300°F for 0.3 seconds or greater in a direct flame afterburner or equivalent device equipped with an indicating pyrometer which is positioned in the working area at the operator's eye level.	9.1
8.	The permittee must not discharge emissions of volatile organic hazardous air pollutants (VOHAP) through a conveyance to the atmosphere that exceed 20 parts per million by volume (ppmv) corrected to 10 percent oxygen.	40CFR 63.7690(a)(8)
9.	The permittee must meet each applicable operating limit in paragraphs 63.7690(b)(1) and 63.7690(b)(2) of 40 CFR 63.	40CFR 63.7690(b)
10.	The permittee shall record the temperature of the afterburner or the equivalent device on an hourly basis. The permittee shall retain such record for 5 years.	18.5.3
11.	The permittee shall immediately stop charging the cupola on those occasions when the cupola is being operated uncontrolled until such time that the particulate and carbon monoxide air pollution control equipment are put back into service or operation.	18.2.4
	<u>Work Practice Standards</u>	
12.	For each segregated scrap storage area, bin or pile, the permittee must either comply with the certification requirements in 63.7700(b) of 40 CFR 63, or prepare and implement a plan for the selection and inspection of scrap according to the requirements in 63.7700(c) of 40 CFR 63. The permittee may have certain scrap subject to 63.7700(b) of 40 CFR 63 and other scrap subject to 63.7700(c) of 40 CFR 63 at the permittee's facility provided the scrap remain segregated until charge make-up.	40 CFR 63.7700(a)
13.	The permittee must prepare and operate at all times according to a written certification that the foundry purchases and uses only metal ingots, pig iron, blister or other material that do not include post-consumer automotive body scrap, post-consumer engine blocks, post-consumer oil filters, oily turnings, lead components, mercury switches, plastics, or free organic liquids. "Free organic liquids" is defined as material that fails the paint filter test by EPA Method 9095A, Paint Filter Liquid Test (Revision I, December 1996) as published in EPA Publication SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" incorporated. Any post-consumer engine blocks, post-consumer oil filters, or oily turnings that are processed and/or cleaned to the extent practicable such that the materials do not include lead components, mercury switches, chlorinated plastics, or free organic liquids can be included in this certification.	40 CFR 63.7700(b)
14.	The permittee must prepare and operate at all times according to a written plan for the selection and inspection of iron and steel scrap to minimize, to the extent practicable, the amount of organics and HAP metals in the charge materials used by the iron and steel foundry. This scrap selection and inspection plan is subject to approval by the Health officer. The company must keep a copy of the plan onsite and readily available to all plant personnel with materials acquisition or inspection duties. The permittee must provide a copy of the material specifications to each of the company's scrap vendors. Each plan must include the information specified.	40 CFR 63.7700(c)
15.	The permittee must have a material acquisition program to limit organic contaminants according to paragraph (c)(1)(ii) of §63.7700 of 40 CFR 63.	40 CFR 63.7700(c)(1)
16.	For scrap charged to the cupola metal melting furnace, specifications for scrap materials to be depleted (to the extent practicable) of the presence of chlorinated plastic, and a program to ensure the scrap materials are drained of free liquids.	40 CFR 63.7700(c)(1)(ii)

17.	A material acquisition program specifying that the scrap supplier remove accessible mercury switches from the trunks and hoods of any bodies contained in the scrap and remove accessible lead components such as batteries and wheel weights. The permittee must either obtain and maintain onsite a copy of the procedures used by the scrap supplier for either removing accessible mercury switches or for purchasing automobile bodies that have had mercury switches removed, as applicable, or document attempts to obtain a copy of these procedures from the scrap suppliers servicing the company.	40 CFR 63.7700(c)(2)
18.	The permittee shall establish procedures for visual inspection of a representative portion, but not less than 10 percent, or all incoming scrap shipments to ensure the materials meet the specifications. The inspection procedures must be conducted according to the procedures listed in (c)(3)(i) through (iv) of §63. 7700 of 40 CFR 63.	40 CFR 63.7700(c)(3)
	<u>Operation and Maintenance Requirements</u>	
19.	The permittee must always operate and maintain the iron and steel foundry, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practice for minimizing emissions at least to the levels required by subpart EEEEE of 40 CFR 63.	40 CFR 63.7710(a)
20.	The permittee must prepare and operate at all times according to a written operation and maintenance plan for each capture and collection system and control device for the cupola subject to the emission limits in condition Nos. 2 and 8. The operation and maintenance plan is subject to approval by the Health Officer. Each plan must contain the applicable elements described in paragraphs (b)(1) through (6) of §63.7710 of subpart EEEEE of 40 CFR 63.	40 CFR 63.7710(b)
	<u>General Requirements for Complying</u>	
21.	The permittee must be in compliance with the emissions limitations, work practice standards, and operation and maintenance requirements for this source at all times, except during periods of startup, shutdown, or malfunction.	40 CFR 63.7720(a)
22.	The permittee must develop a written startup, shutdown, and malfunction plan according to the provision in §63.6(e)(3). The startup, shutdown, and malfunction plan also must specify what constitutes a shutdown of a cupola and how to determine that operating conditions are normal following startup of a cupola.	40 CFR 63.7720(c)
	<u>Conduct Subsequent Performance Tests</u>	
23.	The permittee must conduct subsequent performance tests, after the initial compliance test [as required in §63. 7730(a) of 40 CFR 63] to demonstrate compliance with PM and VOHAP standards in Condition Nos. 2 and 7, respectively, no less frequently than every 5 years and each time the company elects to change an operating limit or to comply with a different alternative emissions limit, if applicable.	40 CFR 63.7731(a)
24.	The permittee must conduct subsequent performance tests to demonstrate compliance with the opacity limit in §63.7769(a)(7) of 40 CFR 63 no less frequently than once every 6 months.	40 CFR 63.7731(b)
	<u>Test Methods and Other Procedures</u>	
25.	The permittee must conduct each performance test that applies to this facility according to the requirements in 63.7(e)(1) of 40 CFR 63.	40 CFR 63.7732(a)
26.	In order to determine compliance with the PM emission limit in Condition No. 2, the permittee must follow the test methods and procedures in Appendix A of 40 CFR 60.	40 CFR 63.7732(b)
27.	To determine the concentration of PM according to the test methods in 40 CFR 60, Appendix A, the permittee must use Methods 1-5 and determine the concentration using only the front-half (probe rinse and filter) of the PM catch.	40 CFR 63.7732(b)(1)

28.	The minimum sampling volume shall be 60 dscf of gas during each PM sampling run. A minimum of three valid runs are needed to comprise a performance test. The sampling must only be done during times when the cupola is on blast.	40 CFR 63.7732(b)(2) 40CFR 63.7732(b)(3)
29.	In order to determine compliance with the opacity in emission limit §63.7690(a)(7) for fugitive emissions from building or structure housing any iron and steel foundry emissions source at the iron and steel foundry, the permittee must use a certified observer conduct each opacity test according to the requirements in EPA Method 9 (40 CFR part 60, Appendix A) and §63.6(h)(5). The certified observer may identify a limited number of openings or vents that appear to have the highest opacities and perform opacity observations on the identified openings or vents in lieu of performing observations for each opening or vent from the building structure. Alternatively, a single observation for the entire building or structure may be performed, if the fugitive release points afford such an observation. During testing intervals when PM performance tests, if applicable, are being conducted, the opacity observer must conduct opacity tests such that the opacity observations are recorded during the PM performance tests.	40CFR 63.7732(d)(1) 40CFR 63.7732(d)(2)
30.	In order to determine compliance with the applicable VOHAP emissions limit in Condition No. 8 for the cupola the permittee shall follow oil applicable test methods and procedures in paragraphs (e)(1) through (4) of §63.7732.	40 CFR 63.7732(c)
	<u>Establish Operating Limits</u>	
31.	The permittee must use the procedures in 63.7733 of 40 CFR 63 to establish operating limits.	40 CFR 63.7733(a)
	<u>Monitoring Requirements</u>	
32.	The permittee must all times monitor the relative change in PM loadings to the baghouse using a bag leak detection system according to the requirements in §63.7741(b) of 40 CFR 63 and conduct inspections at their specified frequencies according to the requirements of §63.7740(b)(1) through (8) of 40 CFR 63.	40 CFR 63.7740(b)
	<u>Operation and Maintenance Requirements</u>	
33.	The permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the requirements in §63.7741(a)(1) through (3) of 40 CFR 63.	40 CFR 63.7741(a)
	<u>Demonstration of Continuous Compliance</u>	
34.	The permittee must monitor and collect data to demonstrate continuous compliance according to the applicable requirements of §63.7742(a) through (c) of 40 CFR 63.	40 CFR 63.7742
	<u>Continuous Compliance with Emission Limitations</u>	
35.	The permittee must demonstrate continuous compliance with all emission limitations by meeting the applicable conditions in §63.7743(a) through (c) of 40 CFR 63.	40 CFR 63.7743
	<u>Continuous Compliance with Work Practice Standards</u>	
36.	The permittee must demonstrate continuous compliance with all work practice standards by meeting the applicable conditions in § 63.7744(a) and (b) of 40 CFR 63.	40 CFR 63.7744
	<u>Continuous Compliance with Operation and Maintenance Requirements</u>	
37.	The permittee must demonstrate continuous compliance with all operation and maintenance requirements by complying with the applicable conditions in §63.7745(a)(1) through (4) and (b) of 40 CFR 63.	40 CFR 63.7745
	<u>Other Requirements to Demonstration of Continuous Compliance</u>	
38.	The permittee must follow other requirements in §63.7746 of 40 CFR 63 to demonstrate continuous compliance.	40 CFR 63.7746
	<u>Submittal of Notifications</u>	
39.	The permittee must submit all notifications according to the requirements in §63.7750(a) through (e) of 40 CFR 63. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.7750 18.7.1

	<u>Submittal of Reports</u>	
40.	The permittee must submit a semiannual compliance report to Health Officer according to the requirements specified in §63. 7751(a)(1) through (5) of 40 CFR 63. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.7751(a) 18.7.1
	<u>What Records to Keep</u>	
41.	The permittee must keep the records specified in §63.7752(a)(1) through (4) of 40 CFR 63.	40 CFR 63.7752(a)
	<u>Records to Keep (Form and Duration)</u>	
42.	The permittee must keep all records in a suitable and readily available form for expeditious review, according to the requirements of §63.10(b)(1) of 40 CFR 63. Each record must be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Each record must be kept onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to the requirements in 63.10(b)(1) of 40 CFR 63. Records for the previous 3 years can be kept offsite.	40 CFR 63.7753
	<u>Production Limit</u>	
43.	The permitted potential production (molten metal) rate by the cupolas is limited to 728,000 tons/yr on an annual rolling average basis.	18.2.4
	<u>Emission Calculations for Fee Determination</u>	
44.	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.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	017	HMT Melting, Desulfurization (Lime Bubbler), and Ductile Treating connected to a 70,000 ACFM Baghouse

Permit Conditions for Emission Unit No. 017

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department. A. Amount of ductile iron produced in T/yr; and B. Hours of operation of ductile treating baghouse.	1.9.2 1.5.15 18.2.4
2.	The source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate 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 monitor opacity on Condition No. 2 by conducting daily visual emissions observations on the baghouse stack with the procedures of Method 22 of Appendix A of 40 CFR 60. The Method 22 shall be conducted while the sources are operating at the representative performance conditions. The duration of Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee shall initiate, within 1 hour, the corrective actions specified in the site specific operation and maintenance plan developed by the permittee. Within 24 hours of the end of the Method 22 test in which visible emissions were observed, the permittee shall conduct a follow up Method 22 test on the baghouse stack from which visual emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow up Method 22 test from the stack from which visible emissions were observed during the previous Method 22 test, the permittee shall conduct a visual opacity test on the stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of Appendix A of 40 CFR 60. The duration of the Method 9 test shall be 30 minutes.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate, from the baghouse stack, not to exceed 7.20 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.	6.4 18.2.4
6.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	020	Annealing Ovens (Metal Processing Furnaces) Nos. 3, 4, LD 1-6, And No. 1 (Marvel City Mini Mill) and Drying and Curing Tunnel (Each Annealing oven is subject to Subpart DDDDD of 40 CFR 63.)

Permit Conditions for Emission Unit No. 020

Federally Enforceable Conditions		Regulations
1.	The permittee shall submit by February 10 th of each calendar year the quantity of natural gas combusted in the sources permitted herein during the previous calendar year to this Department.	1.9.2 1.5.15 18.2.4
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. The opacity shall be determined by EPA Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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 sources permitted herein must conduct an annual tune-up of the sources permitted herein to demonstrate continuous compliance as specified in 40 CFR 63.7540(a)(10)(i) through (vi).	40 CFR 63.7540(a)(10)
5.	The permittee must meet the notification requirements according to the schedule in 40 CFR 63.7545 and in subpart A of Part 63. Some of the notifications must be submitted before the company is required to comply with the emissions limits/work practice in the subpart. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.7495(d) 18.7.1
6.	Sources permitted herein shall combust natural gas only.	18.2.4
7.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	029	14.7 MMBTU/hr Natural Gas Fired Hot Water Boiler (The boiler is subject to Subparts Dc of 40 CFR 60 and DDDDD of 40 CFR 63.)

Permit Conditions for Emission Unit No. 029

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each year to this Department an annual summary report for the previous calendar year in a format approved by the Department the quantity of natural gas combusted in the sources permitted herein.	1.9.2 1.5.15 18.2.4
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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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 boiler permitted herein shall have a particulate matter emissions rate not to exceed 1.14 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.	6.4 18.2.4
5.	The boiler permitted herein shall have a SO ₂ emissions rate not to exceed 0.10 lb/hr. If required by the Department, the SO ₂ emissions rate shall be measured by EPA Reference Method 6C of Appendix A of 40 CFR 60.	7.1 18.2.4
6.	The boiler permitted herein shall have a NO _x emissions rate not to exceed 8.90 lb/hr. 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.	18.2.4
7.	The permittee must conduct an annual tune-up of the boiler to demonstrate applicable continuous compliance as specified in 40 CFR 63.7540(a)(10)(i) through (vi).	40 CFR 63.7540(a)(10)
8.	The permittee must meet the notification requirements according to the schedule in 40 CFR 63.7545 and in subpart A of Part 63. Some of the notifications must be submitted before the company is required to comply with the emissions limits/work practice in the subpart. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.7495(d) 18.7.1
9.	The permittee shall combust only natural gas.	18.2.4
10.	The permittee shall record and maintain records of the amount of fuel combusted during each operating day.	40 CFR 60.48c(g)(1)
11.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	030	Zinc Coating Media Blast Cleaning with a 5,000 SCFM Baghouse

Permit Conditions for Emission Unit No. 030

	Federally Enforceable Conditions	Regulations
1.	<p>The permittee shall submit by February 10th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following production information of the source permitted herein:</p> <p>A. Quantity of sand used; and B. Hours of operation of the blast machine.</p>	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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.	<p>The permittee shall monitor opacity in Condition No. 2 by conducting daily visual emissions observations on the baghouse stack. If opacity of emissions were observed, the permittee shall start the following procedures:</p> <p>A. The permittee shall immediately start Method 22 test in accordance with the procedures in Appendix A of 40 CFR 60. The Method 22 shall be conducted while the sources are operating at the representative performance conditions and the duration of Method 22 test shall be 6 minutes.</p> <p>B. If visible emissions are observed during any Method 22 visible emissions test, the permittee shall initiate, within 1 hour, the corrective actions specified in the site specific operation and maintenance plan developed by the permittee. Within 24 hours of the end of the Method 22 test in which visible emissions were observed, the permittee shall conduct a follow up Method 22 test on the baghouse stack from which visual emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow up Method 22 test from the stack from which visible emissions were observed during the previous Method 22 test, the permittee shall conduct a visual opacity test on the stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of Appendix A of 40 CFR 60. The duration of the Method 9 test shall be 30 minutes.</p>	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.43 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.	6.4 18.2.4
6.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	031	Miscellaneous Natural Gas Usage, 3-Core Making Machines, and a 1.47 MMBTU/hr Paint Heater Boiler (The boiler is subject to Subpart DDDDD of 40 CFR 63.)

Permit Conditions for Emission Unit No. 031

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year the quantity of natural gas combusted in the sources permitted herein during the previous calendar year to this Department.	1.9.2 1.5.15 18.2.4
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. The opacity shall be determined by EPA Method 9 of Appendix A of 40 CFR 60.	6.1.1
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 boiler permitted herein shall have a particulate matter emissions rate not to exceed that allowed by 6.3.1 of the Rules and Regulations. 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.	6.3.1
5.	The boiler permitted herein shall have a SO ₂ emissions rate not to exceed 0.10 lb per MMBTU of heat input. If required by the Department, the SO _x emissions rate shall be measured by EPA Reference Method 6C of Appendix A of 40 CFR 60.	7.1 18.2.4
6.	The permittee must meet the notification requirements according to the schedule in 40 CFR 63.7545 and in subpart A of Part 63. Some of the notifications must be submitted before the company is required to comply with the emissions limits/work practice in the subpart. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.7495(d) 18.7.1
7.	Sources permitted herein shall combust only natural gas.	18.2.4
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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	032	Pipe Mold and Media Blast System with a 18,000 SCFM Baghouse

Permit Conditions for Emission Unit No. 032

Federally Enforceable Conditions		Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following production information of the source permitted herein: A. Quantity of sand used; and B. Hours of operation of the blast machine.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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 monitor opacity in Condition No. 2 by conducting daily visual emissions observations on the baghouse stack. If opacity of emissions were observed, the permittee shall start the following procedures: A. The permittee shall immediately start Method 22 test in accordance with the procedures in Appendix A of 40 CFR 60. The Method 22 shall be conducted while the sources are operating at the representative performance conditions and the duration of Method 22 test shall be 6 minutes. B. If visible emissions are observed during any Method 22 visible emissions test, the permittee shall initiate, within 1 hour, the corrective actions specified in the site specific operation and maintenance plan developed by the permittee. Within 24 hours of the end of the Method 22 test in which visible emissions were observed, the permittee shall conduct a follow up Method 22 test on the baghouse stack from which visual emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow up Method 22 test from the stack from which visible emissions were observed during the previous Method 22 test, the permittee shall conduct a visual opacity test on the stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of Appendix A of 40 CFR 60. The duration of the Method 9 test shall be 30 minutes.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 1.59 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.	6.4 18.2.4
6.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	033	HMT Holding Furnace and Ductile Treating, HMT Coating and Cast Cooling connected to a 130,000 SCFM Baghouse (Marvel City Mini Mill)

Permit Conditions for Emission Unit No. 033

	Federally Enforceable Conditions	Regulations
1.	<p>The permittee shall submit by February 10th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following production information of the source permitted herein:</p> <p>A. Amount of ductile iron produced in Tons per year; and B. Hours of operation of the baghouse.</p>	<p>1.9.2 1.5.15 18.2.4</p>
2.	<p>The sources permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.</p>	<p>6.1.1</p>
3.	<p>The permittee may discharge into the atmosphere from a source of emission, particulate an opacity not greater than that designated as forty percent (40%) opacity during one six (6) minute period in any sixty (60) minute period.</p>	<p>6.1.1(b)</p>
4.	<p>The permittee shall monitor opacity in Condition No. 2 by conducting daily visual emissions observations on the baghouse stack. If opacity of emissions were observed, the permittee shall start the following procedures:</p> <p>A. The permittee shall immediately start Method 22 test in accordance with the procedures in Appendix A of 40 CFR 60. The Method 22 shall be conducted while the sources are operating at the representative performance conditions and the duration of Method 22 test shall be 6 minutes.</p> <p>B. If visible emissions are observed during any Method 22 visible emissions test, the permittee shall initiate, within 1 hour, the corrective actions specified in the site specific operation and maintenance plan developed by the permittee. Within 24 hours of the end of the Method 22 test in which visible emissions were observed, the permittee shall conduct a follow up Method 22 test on the baghouse stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow up Method 22 test from the stack from which visible emissions were observed during the previous Method 22 test, the permittee shall conduct a visual opacity test on the stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of Appendix A of 40 CFR 60. The duration of the Method 9 test shall be 30 minutes.</p>	<p>18.5.3</p>
5.	<p>The source permitted herein shall have a particulate matter emissions rate not to exceed 22.29 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.</p>	<p>6.4 18.2.4</p>
6.	<p>The permittee shall make calculations for the previous year's actual emissions of TSP, PM₁₀, PM_{2.5}, NO_x, CO, VOC, SO₂ 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>	<p>1.9.2 1.5.15 18.2.4</p>

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	034	Core Cutters with a 2,300 SCFM Cyclone (Marvel City Mini Mill)

Permit Conditions for Emission Unit No. 034

<u>Federally Enforceable Conditions</u>		<u>Regulations</u>
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following information for the source permitted herein: A. Quantity of core used; and B. Hours of operation of the core cutters.	1.9.2 1.5.15 18.2.4
2.	The source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of current Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	6.1.1(b)
4.	The permittee shall perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the continuous compliance. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.25 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.	6.4 18.2.4
6.	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.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	035	Asphalt Coating Line No. 3 with a 5,000 SCFM Paint Overspray Fabric Filter and Coating line No. 2 (The source is subject to Subpart MMMM of 40 CFR 63.)

Permit Conditions for Emission Unit No. 035

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following information for the source permitted herein: A. Quantity, in gallons, of all surface coatings, coating additives or thinners; 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 should 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.	1.9.2 1.5.15 18.2.4
2.	The source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of current Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in 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 from the overspray filter not to exceed 0.43 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.	6.4 18.2.4
5.	The source permitted herein shall have a VOC emissions rate not to exceed 3.5 lb/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 of Appendix A of 40 CFR 60.	8.11.11(e)(2)
6.	The permittee shall be exempt from regulation on a plant-wide basis to use up to 55 gallons of low-use coatings per calendar year on a rolling average basis provided it obtains a written approval from this Department and complies with the daily recordkeeping requirements in this permit.	8.1.2
7.	The permittee shall collect, properly contain as much as possible, and dispose of unusable waste solvent and paint. Records of the method of disposal shall be maintained.	18.2.4
8.	The permittee shall maintain, as a minimum, the following daily records to demonstrate compliance: 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 or cleanup;	8.11.12(a)

	<p>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;</p> <p>E. The date of each application of surface coatings and diluents and usage of wash and cleanup solvents;</p> <p>F. The regulation(s) applicable to the coating line for which the records are being maintained;</p> <p>G. The daily records 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);</p> <p>H. The application method and the substrate material type;</p> <p>I. The surface coating curing and/or drying oven temperature(s) in degrees Fahrenheit;</p> <p>1. The following information on all surface coatings and organic liquid solvents (diluents, additives, wash and cleanup):</p> <p>2. Manufacturer (supplier);</p> <p>3. Product name and manufacturer's code number;</p> <p>4. Density (pounds per gallon);</p> <p>5. VOC content in percent weight and volume;</p> <p>6. Solids content in percent weight and volume;</p> <p>7. Water content in percent weight and volume;</p> <p>8. Exempt VOC content in percent weight and volume; and</p> <p>9. Pounds of VOC per gallon of coating delivered to the application system, excluding water and exempt VOC.</p>	
9.	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. 5 shall be a 24 hour period (calendar day).	8.11.12(b)
10.	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.	8.11.12(c)
	<u>NESHAP Regulations</u>	
	<u>HAP Emissions</u>	
11.	<p>The permittee must limit organic HAP emissions to the atmosphere from the coating operations to the applicable limit specified in paragraphs below:</p> <p>A. Organic HAP emissions rate, for general use coatings (as defined in 63.3981 of 40 CFR 63), shall not exceed 0.31 kg (2.6 lb) per liter (gal) coating solids used during each 12-month compliance period.</p> <p>B. Organic HAP emissions rate, for high performance coatings (as defined in 63.3981 of 40 CFR 63), shall not exceed 3.3 kg (27.5 lb) per liter (gal) coating solids used during each 12-month compliance period.</p>	<p>40 CFR 63.3883(b)</p> <p>40 CFR 63.3890(b)(1)</p> <p>40 CFR 63.3890(b)(2)</p>
12.	The permittee shall remain in compliance with the emission limits in Condition No. 11 at all times from the effective date.	40 CFR 63.3900(a)(1)
13.	The permittee using the compliant material option shall demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in Condition No. 11, and that each thinner and/or other additive, and cleaning material used contains no organic HAP.	40 CFR 63.3891(a)
14.	The permittee using the without add-on control option shall demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate is less than or equal to the applicable emission limit in Condition No. 11 calculated as a rolling 12-month emission rate and determined on a monthly basis. The	40 CFR 63.3891(b)

	permittee must meet all the requirements in 63.3950, 63.3951, and 63.3952 of 40 CFR 63 to demonstrate compliance with the emission limit using this option.	
	<u>Submittal of Notifications</u>	
15.	The permittee shall submit to this Department all applicable notifications in accordance with 63.3910 of 40 CFR 63. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.3910 18.7.1
	<u>Submittal of Reports</u>	
16.	The permittee shall submit applicable semiannual compliance reports in accordance 63.3920 of 40 CFR 63. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.3920(a) 18.7.1
	<u>Records to Keep</u>	
17.	The permittee shall collect and keep records of the data (as applicable) and information specified in 63.3930 of 40 CFR 63 from the effective date. Failure to collect and keep these records shall be a deviation from the applicable standard.	40 CFR 63.3930
	<u>Keeping Records (Forms and Duration)</u>	
18.	The permittee shall keep all applicable records and maintain them as required in 63.3931 of 40 CFR 63.	40 CFR 63.3931
	<u>Demonstrate Continuous Compliance</u>	
19.	The permittee shall demonstrate continuous compliance with the emission limitations in Condition No. 11 in accordance with 63.3942 of 40 CFR 63 for compliant material option or 63.3952 of 40 CFR 63 for without add-on controls option.	40 CFR 63.3942 and 63.3952
	<u>Emission Calculation for Fees</u>	
20.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	036	Saw House No. 3 with a 5,000 SCFM Baghouse

Permit Conditions for Emission Unit No. 036

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year the hours of operation of the saws, the grinders, and each baghouse.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	6.1.1(b)
4.	The permittee shall perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.43 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.	6.4 18.2.4
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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	037	Large Diameter Chop Saw with a 1,700 SCFM Baghouse

Permit Conditions for Emission Unit No. 037

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year the hours of operation of the saws, the grinders, and each baghouse.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	6.1.1(b)
4.	The permittee shall perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.15 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.	6.4 18.2.4
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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	038	Forehearth and Ladle Burnout connected to a 30,000 ACFM Baghouse

Permit Conditions for Emission Unit No. 038

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year the hours of operation of the baghouse.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	6.1.1(b)
4.	The permittee shall perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 2.57 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.	6.4 18.2.4
6.	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.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	039	Mold Shop Inlay Welding with a 12,000 SCFM Baghouse

Permit Conditions for Emission Unit No. 039

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year the hours of operation of the baghouse.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in one six (6) minute period in any sixty (60) minute period.	6.1.1(b)
4.	The permittee shall perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 1.03 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.	6.4 18.2.4
6.	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.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	040	Cleaning, Grinding and Sawing with a 5,000 SCFM Baghouse (Marvel City Mini Mill)

Permit Conditions for Emission Unit No. 040

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following production information of the source permitted herein: A. Quantity of sand used; and B. Hours of operation of the equipment.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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 perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.43 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.	6.4 18.2.4
6.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	041	Zinc Spray Coating with a 8,500 SCFM Baghouse (Marvel City Mini Mill)

Permit Conditions for Emission Unit No. 041

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following production information of the source permitted herein: A. Hours of operation of Baghouse; B. Hours of operation of Zinc Coater; and C. Amount of Zinc Wire in pounds per year.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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 perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.73 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.	6.4 18.2.4
6.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	042	Zinc Brush Cleaning with a 5,900 SCFM Baghouse (Marvel City Mini Mill)

Permit Conditions for Emission Unit No. 042

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the hours of operation of the zinc brush cleaner.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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 perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.3
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.51 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.	6.4 18.2.4
6.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	043	TR Flex Welder with a 1,000 SCFM Baghouse (Marvel City Mini Mill)

Permit Conditions for Emission Unit No. 043

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the bead welder.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 by determined by EPA Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of emission, particulate 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 perform weekly monitoring for visible emissions on the source permitted herein (when operating) to ensure the compliance with condition No. 2. Necessary corrective actions shall be taken by the permittee as soon as practical if any visible emissions are observed. The permittee shall maintain a record of all occurrences of visible emissions and the repairs done and/or corrective actions taken for 5 years.	18.5.6
5.	The source permitted herein shall have a particulate matter emissions rate not to exceed 0.10 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.	18.5.6
6.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	044	Asphalt Coating Line (Marvel City Mini Mill) with a 5,000 SCFM Paint Overspray Fabric Filter and Coating line No. 2 (The source is subject to Subpart Mmmm of 40 CFR 63.)

Permit Conditions for Emission Unit No. 044

	<u>Federally Enforceable Conditions</u>	<u>Regulations</u>
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following information for the source permitted herein: A. Quantity, in gallons, of all surface coatings, coating additives or thinners; 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 should 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.	1.9.2 1.5.15 18.2.4
2.	The source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of current Appendix A of 40 CFR 60.	6.1.1
3.	The permittee may discharge into the atmosphere from a source of particulate an opacity not greater than that designated as forty percent (40%) opacity in 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 from the overspray filter not to exceed 0.43 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.	18.5.6
5.	The source permitted herein shall have a VOC emissions rate not to exceed 3.5 lb/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 of Appendix A of 40 CFR 60.	8.11.11(e)(2)
6.	The permittee shall be exempt from regulation on a plant-wide basis to use up to 55 gallons of low-use coatings per calendar year on a rolling average basis provided it obtains a written approval from this Department and complies with the daily recordkeeping requirements in this permit.	8.1.2
7.	The permittee shall collect, properly contain as much as possible, and dispose of unusable waste solvent and paint. Records of the method of disposal shall be maintained.	18.5.6
8.	The permittee shall maintain, as a minimum, the following daily records to demonstrate compliance: 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 or cleanup; 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;	8.11.12(a)

	<p>E. The date of each application of surface coatings and diluents and usage of wash and cleanup solvents;</p> <p>F. The regulation(s) applicable to the coating line for which the records are being maintained;</p> <p>G. The daily records 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);</p> <p>H. The application method and the substrate material type;</p> <p>I. The surface coating curing and/or drying oven temperature(s) in degrees Fahrenheit;</p> <ol style="list-style-type: none"> 1. The following information on all surface coatings and organic liquid solvents (diluents, additives, wash and cleanup): 2. Manufacturer (supplier); 3. Product name and manufacturer's code number; 4. Density (pounds per gallon); 5. VOC content in percent weight and volume; 6. Solids content in percent weight and volume; 7. Water content in percent weight and volume; 8. Exempt VOC content in percent weight and volume; and 9. Pounds of VOC per gallon of coating delivered to the application system, excluding water and exempt VOC. 	
9.	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. 5 shall be a 24 hour period (calendar day).	8.11.12(b)
10.	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.	8.11.12(c)
	<u>NESHAP Regulations</u>	
	<u>HAP Emissions</u>	
11.	<p>The permittee must limit organic HAP emissions to the atmosphere from the coating operations to the applicable limit specified in paragraphs below:</p> <p>C. Organic HAP emissions rate, for general use coatings (as defined in 63.3981 of 40 CFR 63), shall not exceed 0.31 kg (2.6 lb) per liter (gal) coating solids used during each 12-month compliance period.</p> <p>B. Organic HAP emissions rate, for high performance coatings (as defined in 63.3981 of 40 CFR 63), shall not exceed 3.3 kg (27.5 lb) per liter (gal) coating solids used during each 12-month compliance period.</p>	<p>40 CFR 63.3883(b)</p> <p>40 CFR 63.3890(b)(1)</p> <p>40 CFR 63.3890(b)(2)</p>
12.	The permittee shall remain in compliance with the emission limits in Condition No. 11 at all times from the effective date.	40 CFR 63.3900(a)(1)
13.	The permittee using the compliant material option shall demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in Condition No. 11, and that each thinner and/or other additive, and cleaning material used contains no organic HAP.	40 CFR 63.3891(a)
14.	The permittee using the without add-on control option shall demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate is less than or equal to the applicable emission limit in Condition No. 11 calculated as a rolling 12-month emission rate and determined on a monthly basis. The permittee must meet all the requirements in 63.3950, 63.3951, and 63.3952 of 40 CFR 63 to demonstrate compliance with the emission limit using this option.	40 CFR 63.3891(b)

	<u>Submittal of Notifications</u>	
15.	The permittee shall submit to this Department all applicable notifications in accordance with 63.3910 of 40 CFR 63. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.3910 18.7.1
	<u>Submittal of Reports</u>	
16.	The permittee shall submit applicable semiannual compliance reports in accordance 63.3920 of 40 CFR 63. All submittals must be signed by a responsible official consistent with Section 18.4.9 of the regulations.	40 CFR 63.3920(a) 18.7.1
	<u>Records to Keep</u>	
17.	The permittee shall collect and keep records of the data (as applicable) and information specified in 63.3930 of 40 CFR 63 from the effective date. Failure to collect and keep these records shall be a deviation from the applicable standard.	40 CFR 63.3930
	<u>Keeping Records (Forms and Duration)</u>	
18.	The permittee shall keep all applicable records and maintain them as required in 63.3931 of 40 CFR 63.	40 CFR 63.3931
	<u>Demonstrate Continuous Compliance</u>	
19.	The permittee shall demonstrate continuous compliance with the emission limitations in Condition No. 11 in accordance with 63.3942 of 40 CFR 63 for compliant material option or 63.3952 of 40 CFR 63 for without add-on controls option.	40 CFR 63.3942 and 63.3952
	<u>Emission Calculation for Fees</u>	
20.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

<u>Facility Number</u>	<u>Emission Unit</u>	<u>Emission Unit Description</u>
0340	045	Slag Screening and Iron Recovery Consisting of a Grizzly and 2 Shaker Screens

Permit Conditions for Emission Unit No. 045

	Federally Enforceable Conditions	Regulations
1.	The permittee shall submit by February 10 th of each calendar year to the Department an annual summary report for the previous calendar year in a format approved by the Department of the following information: A. Quantity of slag screened by the screens; and B. Hours of operation of the Screening operation.	1.9.2 1.5.15 18.2.4
2.	Each source permitted herein shall have an exhaust opacity not to exceed 20% percent, 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 Method 9 of Appendix A of 40 CFR 60.	6.1.1
3.	The permittee shall not cause or permit the discharge of visible fugitive dust emissions beyond the lit line of the property on which the emissions originate.	6.2.2
4.	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 for review. Concurrence with the calculations by the Department shall be the basis for determining the annual emissions fees.	1.9.2 1.5.15 18.2.4

**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
Part 5.2	Section 335-3-3-.02	Incinerators

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 5.3 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 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
Part 8.23	Section 335-3-6-.44	Petroleum Liquid Storage in External Floating Roof Tanks

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 8.24	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.