

JEFFERSON COUNTY DEPARTMENT OF HEALTH

AIR POLLUTION PROGRAM

TITLE V MAJOR SOURCE OPERATING PERMIT

Permittee: **C & B Piping, LLC.**

Location: **8804 Parkway Drive
Leeds, Alabama 35094**

Permit No: **4-07-0455-06**

Issuance Date: **July 9, 2025**

Expiration Date: **July 8, 2030**

Nature of Business: **Manufacturing and Surface Coating of Metal Pipe and Pipe Fittings**

Emissions Unit No.	Emissions Unit Description
001	Facility-Wide Surface Coating of Miscellaneous Metal Parts and Products Subject to 40 CFR 63, Subpart MMMM
002	Facility-Wide Abrasive Blasting Operations

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, 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, 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 Amendments of 1990 (CAAA), all conditions of this permit are Federally enforceable by EPA, The Jefferson County Board of Health and citizens in general. Those provisions which are not required by the CAAA 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 permit.


Jonathan Stanton, Director
Environmental Health Services

Approved: **David Hicks, DO, MPH, FAAFP**
Health Officer



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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.

GENERAL PERMIT CONDITIONS

No.	Federally Enforceable General Permit Conditions	Regulations
1.	<u>Basis for Permit</u> 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.	AL Act 612 AL Act 769
2.	<u>Authority</u> 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.	AL Act 612 AL Act 769
3.	<u>Acceptance of Permit</u> 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. This Title V permit supersedes all permits previously issued by the Department to this facility. The permittee shall return the expired permit(s) to the Department within 30 days after this permit is issued.	18.2.4
4.	<u>Compliance With Existing and Future Regulations</u> A. The permittee shall comply with all conditions of the Rules and Regulations. B. The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. 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. D. The permittee shall be subject to MACT standards from the date of publication by EPA.	18.5.6 18.4.8(h) 18.7.3 18.7.6
5.	<u>Noncompliance</u> The permittee shall comply with all conditions of the permit. Noncompliance with a permit will constitute a violation of the Act and the Rules and Regulations and may result in enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.	70.6(a)(6)(i) 18.5.6
6.	<u>Compliance Defense</u> The permittee shall not use as a defense in an enforcement action, that maintaining compliance with permit conditions would have required halting or reducing the permitted activity.	18.5.7
7.	<u>Credible Evidence</u> Any credible evidence or information relevant to whether a source may have been in compliance with applicable requirements can be used to establish whether or not an owner or operator has violated or is in violation of any rule or standard in these Regulations and/or any applicable provisions of 40 CFR 60 or 40 CFR 61.	1.18 60.11(g) 61.12(e)

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8.	<p><u>Circumvention</u> No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminants which would otherwise violate these Rules and Regulations.</p>	1.15 63.4(b)
9.	<p><u>Bypass of Control Equipment Prohibited</u> 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
10.	<p><u>Shutdown of Control Equipment</u> 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, including the information listed in Section 1.12.1.</p>	1.12.1
11.	<p><u>Maintenance of Controls</u> If a control device is installed at the facility, the following requirements apply: 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. 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. 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
12.	<p><u>Nothing in this Operating Permit shall alter or affect the following:</u> A. The provisions of Section 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 Section 408(a) of the Act; or D. The ability of EPA to obtain information from a source pursuant to Section 114 of the Act.</p>	18.10.3
13.	<p><u>Additional Information</u> 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.</p>	18.4.7 63.9(j)
14.	<p><u>Display and Availability of Permit</u> 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
15.	<p><u>Payment of Fees</u> 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 date shall cause the assessment of a late fee of 3% (of the original fee) per month or fraction thereof.</p>	18.5.11 16.1 16.4 16.5

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16.	<p><u>Transfer</u> This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another or from one person to another except as provided in Subparagraph 18.13.1(a)(5) of the Rules and Regulations.</p>	18.2.6
17.	<p><u>New Air Pollution Sources and Changes to Existing Units</u> A new permit application must be made for new sources, replacements, alterations 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 63.9(j)
18.	<p><u>Construction Not In Accordance with Applications</u> 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)
19.	<p><u>Expiration</u> 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.</p>	18.4.3 18.5.2 18.12.2(b)
20.	<p><u>Revocation</u> This Operating Permit may be revoked for any of the following reasons: A. Failure to comply with any conditions of the permit; B. Failure to establish and maintain such records, make such reports, install, use and maintain such monitoring equipment or methods; and sample such emissions in accordance with such methods at such locations, intervals and procedures as may be prescribed in accordance with Section 1.9.2 of the Rules and Regulations; C. Failure to comply with any provisions of any Department administrative order issued concerning the permitted facility; D. Failure to allow entry and inspections by properly identified Department personnel; E. Failure to comply with the Rules and Regulations; or 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>	18.2.9
21.	<p><u>Severability</u> In case of legal challenge to any portion of this Title V Operating Permit, the remainder of the permit conditions shall continue in force.</p>	18.5.5
22.	<p><u>Reopening for Cause</u> Under any of the following circumstances, this Operating Permit will be reopened and revised prior to the expiration of the permit: 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. 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. 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>	18.13.5

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	D. The Administrator, ADEM or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.	
23.	<p><u>Changes or Termination for Cause – No Stay of Permit Conditions</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
24.	<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>	18.5.10 70.6(a)(6)(v)
25.	<p><u>Entry and Inspections</u></p> <p>The permittee shall allow the Department or authorized representative, upon presentation of credentials and other documents that may be required by law, to conduct the following:</p> <ul style="list-style-type: none"> 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; B. Review and/or copy at reasonable times any records kept pursuant to the permit conditions; C. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices or operations required by the permit; and D. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements. <p>Denial of access upon proper identification is grounds for permit revocation.</p>	1.8 18.7.2 18.2.9(d)
26.	<p><u>Flexibility 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.</p>	18.13.2
27.	<p><u>Minor Permit Modifications</u></p> <p>Minor permit modification procedures may be used only for those permit modifications that:</p> <ul style="list-style-type: none"> A. Do not violate any applicable requirement; B. Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit; 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; 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; E. Are not modifications under any provision of title I of the Act; and F. Are not required by Part 18.12 of this Chapter to be processed as a significant modification. G. Notwithstanding Subparagraph 18.13.3(a)(1) of this regulation, minor permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in an applicable implementation plan or in applicable requirements promulgated by EPA. <p>An application requesting the use of minor permit modification procedures shall meet the requirements of Section 18.4.8 relative to the modification and shall include the information listed at 18.3.3(b). If the Department notifies the source that the modification does not qualify as a minor</p>	18.13.3

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	modification within 10 days after receiving the application, then the source shall apply for the change as a significant modification. Ten days after the application has been submitted to the Department, the source may make the change for which they applied unless the change does not qualify as a minor modification. After the source makes the change and until the Department takes final action on the permit application, the source must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time period, the source need not comply with the existing permit terms and conditions it seeks to modify. However, if the source fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it. A permit shield granted under Part 18.10 shall not extend to minor permit modifications. The Department may not issue a final permit modification until after EPA's 45-day review period or until EPA has notified the Department that EPA will not object to issuance of the permit modification, whichever is first.	
28.	<u>Significant Modifications</u> Modifications that are significant modifications under the PSD (Part 2.4) or nonattainment (Part 2.5) 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.	18.13.4
29.	<u>Off-Permit Changes</u> Any change which is not addressed or prohibited in the federally enforceable terms and conditions of the permit may be designated by the owner or operator as an off-permit change, and may be made without revision to the federally enforceable terms and conditions of the operating permit, provided that the change: A. Meets all applicable requirements; B. Does not violate any federally enforceable permit term or condition; C. Is not subject to any requirement or standard under title IV of the Clean Air Act (CAA); and D. Is not a modification under title I of the CAA. The permittee must comply with all applicable state permitting and preconstruction review requirements. Any application pertaining to a change designated by the applicant as an off-permit change shall be submitted by the applicant to EPA in fulfillment of the obligation to provide written notice, provided, that no change meeting the criteria for an insignificant activity or trivial activity is subject to the procedures set forth in this condition.	18.14
30.	<u>Property Rights and Privileges</u> No property rights of any sort or any exclusive privilege are conveyed through the issuance of this Operating Permit.	18.5.9
31.	<u>Alternative Operating Scenarios</u> No alternative operating scenarios were identified by the permittee in its application.	18.5.13
32.	<u>Economic Incentives</u> 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 Operating Permit.	18.5.12
33.	<u>Trading of Emissions Increases or Decreases</u> The permittee did not request authorization to trade emissions increases and decreases.	18.5.14
34.	<u>Emission Reduction Plan</u> 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.	18.2.8(b)
35.	<u>Fugitive Dust</u> 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 and grounds in the source permitted herein from becoming airborne. The permittee shall not cause or	6.2.1 6.2.2 18.2.8(a)

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	<p>allow the discharge of visible emissions which travel beyond the property line of the facility. Reasonable precautions for dust minimization include, but are not limited to:</p> <p>A. Unpaved plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne:</p> <ol style="list-style-type: none"> 1. By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; 2. By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; 3. By paving; 4. By the application of binders (chemical dust suppressants) to the road surface at any time the road surface at any time the road surface is found to allow the creation of dust emissions; or 5. By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface. Other dust control methods not listed above may be used if approved by the Department. <p>B. Paved plant roads and grounds shall be maintained in the following manner so that dust will not become airborne:</p> <ol style="list-style-type: none"> 1. Mechanical cleaning (vacuuming); 2. Water flushing; 3. Earth or other dust-forming material that is deposited on the paved roads shall be removed at the earliest opportunity subject to safety; 4. Paving or using a chemical dust suppressant on unpaved access points; 5. Washing and dewatering tires and the underbody of trucks which enter a paved road from an unpaved road; or 6. By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface. Other dust control methods not listed above may be used if approved by the Department. 	
36.	<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 shall be taken upon determination by this Department that these measures are technically and economically feasible.</p>	6.2.3
37.	<p><u>Title IV Requirements (Acid Rain Program)</u></p> <p>Where an applicable requirement of the Rules and Regulations is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act (the acid rain program), both provisions shall be incorporated into the permit and shall be enforceable by the Administrator. Emissions exceeding any allowances that the permittee lawfully holds under title IV of the Act or the regulations promulgated thereunder are prohibited. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the permittee, however, allowances may not be used as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in the regulations promulgated pursuant to Title IV of the Act.</p>	18.5.1(b) 18.5.4
38.	<p><u>VOC Storage</u></p> <p>The permittee shall not store a VOC with a true vapor pressure greater than or equal to 1.5 psia under actual storage conditions in any storage vessel greater than 1,000 gallons unless the vessel is a pressure tank or is equipped with a permanent submerged fill pipe or bottom fill pipe.</p>	8.3.1 8.3.2(a)
39.	<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</p>	40 CFR 82 18.1.1(e)(10) 18.1.1(w)(4)

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	<p>certification requirements, and certified recycling and recovery equipment specified in 40 CFR 82, Subpart F.</p> <p>A. No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any such device except as provided in 40 CFR 82, Subpart F.</p> <p>B. The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the U.S. EPA and the Department as required.</p>	
40.	<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 requirements of the Standard, the permittee must thoroughly inspect the affected part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II nonfriable asbestos-containing materials, prior to the commencement of the demolition or renovation operation. The permittee shall comply with all applicable sections of the Standard, including notification requirements, emission control and waste disposal procedures. The permittee shall also ensure that anyone performing asbestos-related work at the facility is trained and certified according to the Alabama Department of Environmental Management's regulations for Asbestos Contractor Certification.</p>	40 CFR 61 14.2.12
41.	<p><u>Prevention of Accidental Releases</u></p> <p>The permittee shall comply with the requirements of Section 112 (r) of the Act and 40 CFR 68 to prevent accidental releases of any substance listed pursuant to Section 112 (r) or any other extremely hazardous substance. If the facility holds more than a threshold quantity of a regulated substance in a process, as determined under §68.115, the Risk Management Plan (RMP) will become an applicable requirement and the permittee shall comply with the requirements of 40 CFR 68. The list of regulated toxic and flammable substances and their threshold quantities is located at §68.130. The first RMP must cover all regulated substances at the facility and must be submitted to EPA no later than the latest of the following dates: (1) June 21, 1999; (2) Three years after the date on which a regulated substance is first listed under §68.130; or (3) The date on which a regulated substance is first present above a threshold quantity in a process. A facility subject to 40 CFR 68 must revise and resubmit the RMP to EPA every 5 years.</p>	112(r) 40 CFR 68
42.	<p><u>Testing</u></p> <p>A source emissions test may be required by this Department at any time. The Administrator may require a performance test for a source subject to NESHAP at any time authorized by section 114 of the Clean Air Act. The permittee shall provide each point of emission with sampling ports, ladders, stationary platforms, and other safety equipment to facilitate testing. The permittee shall notify the Department in writing at least 2 weeks prior to conducting any required emissions test on any source (60 days for a source subject to NESHAP, including but not limited to 40 CFR 63, Subpart M). This notice shall state the source to be tested, the proposed time and date(s) of the test, the purpose of the test, and the methods to be used. The methods for such testing shall be in accordance with procedures established by 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63 and any emissions unit specific permit requirements. The permittee shall submit the results of all emissions tests in electronic form to this Department within a time period specified by this Department; however, not to exceed 3 weeks from the test completion date.</p>	1.9.1 1.10.3 18.2.5 18.2.8(c) 63.7 63.9(e) 63.9(f) 63.10(d)
43.	<p><u>Retention of Records</u></p> <p>Records of all required monitoring data, fuel consumption, analyses, reports, MSDS, and other support information shall be retained for a minimum of 5 years from the date when the record was generated. Records must be readily accessible and suitable for inspection. Each record must be kept onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, but may be maintained offsite for the remaining 3 years. Records may be kept in hard copy or electronically. Specific records to be made and retained are listed in the emission unit conditions.</p>	18.5.3(b) 63.10(b)(1) 63.3931
44.	<p><u>Timing for Submission of Reports and Notifications</u></p> <p>The permittee shall submit all reports and notifications required by any permit condition and by any applicable NESHAP and/or NSPS to the Department in electronic form. The reports may be</p>	18.4.9 18.5.3(c) 18.7.1

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	<p>sent by U. S. mail or by electronic mail. Reports submitted by US mail shall be postmarked on or before the due date. Reports submitted by electronic mail shall be received on or before the due date. The information to be included in each report is listed in General Conditions 45 – 47 below. Any document required to be submitted by this permit shall contain a certification by a responsible official that meets the requirements of Section 18.4.9. The following reports are required to be submitted on the following schedule:</p> <p>A. Annual Production and Emissions Report, due February 10 of each year covering the pervious calendar year.</p> <p>B. Annual Title V Compliance Certification, covering the period from April 12 to April 11 of the following year, shall be submitted by May 12 each calendar year.</p> <p>C. 6-Month Monitoring Report for Title V and 40 CFR 63, Subpart Mmmm, due July 31 (covering January 1 to June 30) and January 31 (covering July to December of the previous year).</p> <p>D. Episodic prompt reporting of malfunctions, deviations, and violations as follows:</p> <ol style="list-style-type: none"> Deviations and violations of any permit condition, including but not limited to emission limitations, shall be reported within 2 working days of the deviation, or discovery of a violation at any source of air pollution. Malfunctions shall be reported within 24 hours and the permittee shall notify the Department when the condition causing failure or breakdown has been corrected, and such source, equipment, or facility is again in operation. <p>E. Notifications, as follows:</p> <ol style="list-style-type: none"> Notify the Department in writing within 15 days if any information submitted in any notification pursuant to Subpart Mmmm is changed. Notify the Department in writing within 2 working days of becoming subject to a federal Maximum Achievable Control Technology (MACT) standard pursuant to Section 112 of the Act (local requirement). <p>F. Compliance schedule progress reports, if a compliance schedule is required.</p>	<p>18.7.5 18.11.2(b)(4) 18.7.6 63.3920(a)(1) 63.9(j) 63.10(e) 1.12.2</p>
45.	<p><u>Contents of Annual Production and Emissions Report</u></p> <p>The permittee shall submit by February 10th of each year to this Department an annual summary report for the previous calendar year in a format approved by this Department of the following production information for each emissions unit permitted herein:</p> <ol style="list-style-type: none"> The hours of operation for surface coating and abrasive blasting operations; The total quantity in gallons of surface coatings, organic solvent thinners and cleanup solvents used; The quantity in gallons of waste surface coatings, solvent thinners and cleanup solvents disposed of properly (i.e.: sent to a waste solvent recovery facility or incinerated); The quantity of each abrasive used for abrasive blasting; The quantity of pipe subjected to blasting; The quantity of dust collected and disposed of from the abrasive blasting operations air washer; The quantity of fuel combusted by heating equipment and mobile equipment; The quantity of VOC and/or HAP material emitted to the atmosphere as a result of spills and other mishaps; and The actual calendar year emissions (point and fugitive) of all regulated air pollutants as defined in Section 16.2.7 of the Rules and Regulations, including but not necessarily limited to PM, PM₁₀, PM_{2.5}, NO_x, CO, VOC, and SO_x, and all HAP based upon the above calendar year records. <p>The submission shall include a certification by a responsible official of the truth, accuracy and completeness of the report. The report shall contain sufficient detail of the VOC and HAP contents of each product used in surface coating to allow the Department to verify the emissions calculations. Concurrence with the calculations by the Department shall be the basis for annual emission fees in accordance with Chapter 16 of the Rules and Regulations.</p>	<p>1.5.15 1.9.2 18.7.1</p>

46.	<p><u>Contents of Title V Submissions</u></p> <p>Any document or report submitted under this requirement shall contain a certification of truth, accuracy, and completeness by a responsible official that meets the requirements of Section 18.4.9 of the Rules and Regulations. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. These documents shall be submitted to the following 2 agencies:</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p>Jefferson County Department of Health Air Pollution Control Program P.O. Box 2648 Birmingham, Alabama 35202-2648</p> </div> <div style="width: 10%; text-align: center;">and to</div> <div style="width: 45%;"> <p>EPA Region IV Atlanta Federal Center 61 Forsyth Street Atlanta, GA 30303</p> </div> </div> <p>A. Title V Annual Compliance Certification: A compliance certification with terms and conditions contained in the permit, including emissions limitations, standards and work practices, covering the period from April 12 to April 11 of the following year, shall be submitted by May 12 each calendar year. The permittee shall provide a means for monitoring the compliance of its air pollution sources with the emissions limitation, standards and work practices listed or referenced within this permit. The compliance certification shall include the following:</p> <ol style="list-style-type: none"> a. The identification of each term or condition of this permit that is being certified; b. The emission unit or units to which the term or condition applies; c. The compliance status; d. Whether compliance has been continuous or intermittent; e. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with the Rules and Regulations; and f. Such other facts as the Department may require to determine the compliance status of the source, including but not limited to identifying each deviation that occurred. <p>B. Semi-Annual Monitoring Report for Title V and 40 CFR 63, Subpart Mmmm: A semiannual compliance report shall be submitted within 31 days after the 6-month reporting period (January–June and July–December), according to the requirements in §63.10(e) and including the following elements. Reports shall be submitted according to the requirements of §63.3920(f) through (h).</p> <ol style="list-style-type: none"> a. Company name and address; b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; c. Date of the report and beginning and ending dates of the reporting period; <ol style="list-style-type: none"> i. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. d. If there are no deviations from any permit condition, a statement that there were no deviations during the reporting period, including the following specific requirements for Subpart Mmmm: <ol style="list-style-type: none"> i. If there are no deviations from any organic HAP emissions limit, a statement that there were no deviations from the organic HAP emissions limit during the reporting period including the basis for compliance as follows for the options below: <ol style="list-style-type: none"> 1. For the compliant materials options, because no coatings which exceeded the applicable emission limit were used and no thinner and/or additive, or cleaning material containing organic HAP was used. 2. For the emission rate without add-on controls option, because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit. e. Identification of any exceptions to the performance of the required reasonable precautions for the minimization of fugitive dust and the prevention of fugitive dust crossing the property lines, including any instance when fugitive emissions or dust from abrasive blasting operations were not promptly addressed, any day when 	<p>18.4.9 18.7.1 18.7.5 18.5.3(c)(2) 63.3920(a) 63.3920(f) 63.3920(g) 63.3920(h) 63.3930 63.3942(c) 63.3952(c) 63.9(j) 63.10(b) 63.10(d)</p>
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	<p>equipment was needed to address dust but ineffective due to a maintenance issue, any change in the type of abrasive material used, and any operating day where fugitive dust monitoring records are incomplete;</p> <p>f. Identification of the compliance option or options used on each coating operation during the reporting period, including the beginning and ending dates for each option used if more than one option was used during the reporting period.</p> <p>i. If the compliance option being used is switched during the reporting period, report the beginning and ending dates of the options used.</p> <p>g. The calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period if the emission rate without add-on controls option has been used.</p> <p>h. Any and all instances of deviation from any permit condition during the reporting period must be clearly identified. For sources covered under 40 CFR 63, Subpart Mmmm, report the information listed at 40 CFR 63.3920(a)(5) for the complaint material option and/or the information listed at 40 CFR 63.3920(a)(6) for the emission rate without add-on controls option, as follows.</p> <p>i. For the compliant material option, include:</p> <ol style="list-style-type: none"> 1. Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates, time and duration each was used. 2. The calculation of the organic HAP content (using Equation 2 of §63.3941) for each coating identified above. Background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports) does not need to be submitted. 3. The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in above. Background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports) does not need to be submitted. 4. Statement of the cause of each deviation (including unknown cause, if applicable). 5. The number of deviations and, for each deviation, a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in §63.3890, a description of the method used to estimate the emissions, and the actions taken to minimize emissions in accordance with §63.3900(b). <p>ii. For the emission rate without add-on controls option, include:</p> <ol style="list-style-type: none"> 1. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in §63.3890. 2. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The calculations for Equations 1, 1A through 1C, 2, and 3 of §63.3951 must be submitted; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.3951(e)(4). Background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports) does not need to be submitted. 3. Statement of the cause of each deviation (including unknown cause, if applicable). 4. The number of deviations and, for each deviation, the date, time, duration, a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any 	
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	<p>applicable emission limit in §63.3890, a description of the method used to estimate the emissions, and the actions taken to minimize emissions in accordance with §63.3900(b).</p> <p>i. A failure to collect and keep records required by Subpart Mmmm shall be reported as a deviation.</p> <p>C. Episodic reporting: If any information submitted in any notification pursuant to Subpart Mmmm is changed, submit the changes in writing within 15 days after the change.</p> <p>D. Prompt Reporting of Malfunctions, Deviations, and Violations, in addition to any periodic reporting requirements:</p> <p>a. Reports of deviations and violations of any permit condition, including but not limited to emission limitations, including the probable cause of any deviation and any corrective actions or preventative measures that were taken. Specific reporting requirements include:</p> <p>i. For Subpart Mmmm:</p> <ol style="list-style-type: none"> 1. For the compliant material option, a deviation is the use of any coating, thinner, and/or other additive, or cleaning material that does not meet the criteria of §63.3942(a); 2. For the emission rate without add-on controls options, a deviation is if the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in §63.3890; and 3. Semiannual reporting of deviations are located at Item B of this condition and at §63.3920. <p>b. Reports of malfunctions including a statement providing all pertinent facts, including the estimated duration of the breakdown, and notification to the Department when the condition causing failure or breakdown has been corrected, and such source, equipment, or facility is again in operation.</p>	
47.	<p><u>Compliance Schedule Progress Reports</u></p> <p>If any air pollution source owned or operated by the permittee is not in compliance with the emissions limitations, standards and work practices listed or referenced within this permit, the permittee shall submit progress reports including a statement of truth, accuracy and completeness of these reports shall be certified by a responsible official for that air pollution source. The first progress report shall be submitted within 3 months after the Operating Permit issuance date or within 3 months of the permittee or Department determining that the air pollution source is not in compliance. Subsequent reports shall be submitted every 6 months following the initial report. The progress reports shall contain the following:</p> <p>A. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and/or dates when such activities, milestones or compliance were achieved; and</p> <p>B. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.</p>	<p>18.4.8(h) 18.7.3 18.7.4</p>
48.	<p><u>Definitions</u></p> <p>For the purposes of this Major Source Operating Permit, the following terms will have the meanings ascribed to in this permit:</p> <p>“12-Month Rolling Average” means a method of determination of compliance with an emission limit calculated after the end of each month as the average of the monthly emission rates for the 12 most recent completed months.</p> <p>“12-Month Rolling Total” means a method of determination of compliance with an annual limit calculated after the end of each month as the sum of the monthly emissions for the 12 most recent completed months.</p> <p>“40 CFR 51” shall be an acronym for Part 51 of Title 40 of the Code of Federal Regulations.</p> <p>“40 CFR 60” shall be an acronym for Part 60 of Title 40 of the Code of Federal Regulations.</p>	<p>1.3 8.11.11 8.12.1 18.1.1 63.3981</p>

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	<p>“40 CFR 61” shall be an acronym for Part 61 of Title 40 of the Code of Federal Regulations.</p> <p>“40 CFR 63” shall be an acronym for Part 63 of Title 40 of the Code of Federal Regulations.</p> <p>“40 CFR 68” shall be an acronym for Part 68 of Title 40 of the Code of Federal Regulations.</p> <p>“40 CFR 82” shall be an acronym for Part 82 of Title 40 of the Code of Federal Regulations.</p> <p>“Act” shall mean the Clean Air Act, as amended, 42 U.S.C. 7401, et seq. <i>Section 18.1.1</i></p> <p>“Additive” means a material that is added to a coating after purchase from a supplier (e.g., catalysts, activators, accelerators). <i>40 CFR 63, Subpart M</i></p> <p>“ADEM” shall mean the Alabama Department of Environmental Management.</p> <p>“Air Pollution” shall mean the presence in the outdoor atmosphere of one or more air contaminants in such quantities and duration as are, or tend to be, injurious to human health or welfare, animal or plant life, or property, or would interfere with the enjoyment of life or property throughout the County and in such territories of the County as shall be affected thereby. <i>Part 1.3</i></p> <p>“Application Area” shall mean the area where the surface coating is applied by spraying, dipping, or flowcoating techniques.</p> <p>“Add-on control” means an air pollution control device, such as a thermal oxidizer or carbon adsorber, that reduces pollution in an air stream by destruction or removal before discharge to the atmosphere. <i>40 CFR 63, Subpart M</i></p> <p>“Adhesive, adhesive coating” means any chemical substance that is applied for the purpose of bonding two surfaces together. Products used on humans and animals, adhesive tape, contact paper, or any other product with an adhesive incorporated onto or in an inert substrate shall not be considered adhesives under Subpart M. <i>40 CFR 63, Subpart M</i></p> <p>“Annual Rolling Total” shall be an equivalent phrase for “12-Month Rolling Total.”</p> <p>“Cleaning material” means a solvent used to remove contaminants and other materials, such as dirt, grease, oil, and dried or wet coating (e.g., repainting or paint stripping), from a substrate before or after coating application or from equipment associated with a coating operation, such as spray booths, spray guns, racks, tanks, and hangers. Thus, it includes any cleaning material used on substrates or equipment or both. <i>40 CFR 63, Subpart M</i></p> <p>“Coating” shall mean a material applied to a substrate for decorative, protective, or functional purposes. Such materials include, but are not limited to, paints, sealants, liquid plastic coatings, caulks, inks, adhesives, and maskants. Decorative, protective, or functional materials that consist only of protective oils for metal, acids, bases, or any combination of these substances, or paper film or plastic film which may be pre-coated with an adhesive by the film manufacturer, are not considered coatings for the purposes of this subpart. A liquid plastic coating means a coating made from fine particle-size polyvinyl chloride (PVC) in solution (also referred to as a plastisol). <i>40 CFR 63, Subpart M</i></p> <p>“Coating Application System” shall mean all operations and equipment which applies, conveys, and dries a surface coating, including but not limited to, spray booths, flow coaters, dip tanks, flashoff areas, air dryers and ovens. <i>Section 8.11.11</i></p> <p>“Coating operation” means equipment used to apply cleaning materials to a substrate to prepare it for coating application (surface preparation) or to remove dried coating; to apply coating to a substrate (coating application) and to dry or cure the coating after application; or to clean coating</p>	

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	<p>operation equipment (equipment cleaning). A single coating operation may include any combination of these types of equipment, but always includes at least the point at which a given quantity of coating or cleaning material is applied to a given part and all subsequent points in the affected source where organic HAP are emitted from the specific quantity of coating or cleaning material on the specific part. There may be multiple coating operations in an affected source. Coating application with handheld, non-refillable aerosol containers, touch-up markers, or marking pens is not a coating operation for the purposes of Subpart Mmmm. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Coatings solids” means the nonvolatile portion of the coating that makes up the dry film. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Cold Solvent Cleaning” shall mean the batch process of cleaning and removing soils from metal surfaces by spraying, brushing, flushing or immersion while maintaining the solvent below its boiling point. Wipe cleaning is not included in this definition. <i>Section 8.12.1</i></p> <p>“Construction” shall mean fabrication, erection, or installation of an affected facility. <i>Part 1.3</i></p> <p>“Day” or “calendar day” means a 24-hour period beginning at midnight.</p> <p>“Department” shall mean the Jefferson County Department of Health.</p> <p>“Deviation” means any instance in which the permittee fails to meet any requirement or obligation established by regulation, including but not limited to any emission limitation, operating limit, work practice standard, or any permit term or condition. For purposes of Subpart Mmmm, deviation means any time the permittee:</p> <ol style="list-style-type: none"> 1. Fails to meet any requirement or obligation established by Subpart Mmmm including but not limited to, any emission limit or operating limit or work practice standard; 2. Fails to meet any term or condition that is adopted to implement an applicable requirement in Subpart Mmmm and that is included in the operating permit for any affected source required to obtain such a permit; or 3. Fails to meet any emission limit, or operating limit, or work practice standard in Subpart Mmmm during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by Subpart Mmmm. <p>“Emission limitation” means, for the purposes of Subpart Mmmm, the aggregate of all requirements associated with a compliance option including emission limit, operating limit, work practice standard, etc. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Emissions unit” means any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any pollutant listed under Section 112(b) of the Act. This term is not meant to alter or affect the definition of the term “unit” for purposes of title IV (Acid Deposition Control) of the Act. <i>Section 18.1.1</i></p> <p>“EPA” means the U.S. Environmental Protection Agency.</p> <p>“Existing Source” shall mean any source in operation or on which construction has commenced on the date of initial adoption of an applicable rule or regulation; except that any existing source which has undergone modification after the date of initial adoption of an applicable rule or regulations, shall be reclassified and considered a new source. <i>Part 1.3</i></p>	

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	<p>“Flash-off Area” shall mean the portion of a surface coating operation between the coating application area and the bake oven. <i>Part 1.3</i></p> <p>“Fugitive dust” shall mean solid air-borne particulate matter from any source other than a flue or stack. <i>Part 1.3</i></p> <p>“Fugitive emissions” means those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening. <i>Section 18.1.1</i></p> <p>“General use coating” means any material that meets the definition of coating but does not meet the definition of high performance coating, rubber-to-metal coating, magnet wire coating, or extreme performance fluoropolymer coating as defined in Subpart Mmmm. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“HAP” shall be an acronym for Hazardous Air Pollutant.</p> <p>“Hazardous Air Pollutant” means any of the substances listed in Appendix D of the Rules and Regulations.</p> <p>“High performance architectural coating” means any coating applied to architectural subsections which is required to meet the specifications of Architectural Aluminum Manufacturer's Association's publication number AAMA 605.2-2000. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“High performance coating” means any coating that meets the definition of high performance architectural coating or high temperature coating under 40 CFR 63, Subpart Mmmm.</p> <p>“High temperature coating” means any coating applied to a substrate which during normal use must withstand temperatures of at least 538 degrees Celsius (1000 degrees Fahrenheit). <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Manufacturer's formulation data” means data on a material (such as a coating) that are supplied by the material manufacturer based on knowledge of the ingredients used to manufacture that material, rather than based on testing of the material with the test methods specified in 40 CFR 63.3941. Manufacturer's formulation data may include, but are not limited to, information on density, organic HAP content, volatile organic matter content, and coating solids content. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Mass fraction of organic HAP” means the ratio of the mass of organic HAP to the mass of a material in which it is contained, expressed as kg of organic HAP per kg of material. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Modification” shall mean any physical change in, or change in the method of operation of, an affected source which increases the amount of any air contaminant (to which a rule or regulation applies) emitted by such source or which results in the emission of any air contaminant (to which a rule or regulation applies) not previously emitted, except that:</p> <ol style="list-style-type: none"> 1. Routine maintenance, repair, and replacement shall not be considered physical changes; and 2. The following shall not be considered a change in the method of operation: <ol style="list-style-type: none"> i. An increase in the production rate; ii. An increase in hours of operation; iii. Use of an alternate fuel or raw material. 	

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	<p>“Month” means, for the purposes of Subpart Mmmm, a calendar month or a pre-specified period of 28 days to 35 days to allow for flexibility in recordkeeping when data are based on a business accounting period. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“NESHAP” shall be an acronym for “National Emission Standards for Hazardous Air Pollutants.”</p> <p>“New Source” shall mean any source built or installed on or after the date of initial adoption of an applicable rule or regulation and any source existing at said stated time which later undergoes modification. Any source moved to another premise involving a change of location after the date of initial adoption or an applicable rule or regulation shall be considered a new source. This definition of new source is not applicable to Sections 13.1.3 or 14.1.3 of the Rules and Regulations. <i>Part 1.3</i></p> <p>“Non-HAP coating” means, for the purposes of Subpart Mmmm, a coating that contains no more than 0.1 percent by mass of any individual organic HAP that listed in Table 5 of Subpart Mmmm and no more than 1.0 percent by mass for any other individual HAP. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Organic HAP content” means the mass of organic HAP emitted per volume of coating solids used for a coating calculated using Equation 2 of 40 CFR 63.3941. The organic HAP content is determined for the coating in the condition it is in when received from its manufacturer or supplier and does not account for any alteration after receipt. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, organic HAP content is the mass of organic HAP that is emitted, rather than the organic HAP content of the coating as it is received. <i>40 CFR 63, Subpart Mmmm</i></p> <p>“Operating permit” shall mean any permit issued pursuant to Chapter 18 of the Rules and Regulations. <i>Section 18.1.1</i></p> <p>“Process” shall mean any action, operation, or treatment of materials, including handling and storage thereof, which may cause discharge of an air contaminant, or contaminants, into the atmosphere, but excluding fuel burning and refuse burning. <i>Part 1.3</i></p> <p>“Permittee” means the holder of an operating permit issued by the Department.</p> <p>“Pollution prevention” means source reduction as defined under the Pollution Prevention Act of 1990 (e.g., equipment or technology modifications, process or procedure modifications, reformulation or redesign of products, substitution of raw materials, and improvements in housekeeping, maintenance, training, or inventory control), and other practices that reduce or eliminate the creation of pollutants through increased efficiency in the use of raw materials, energy, water, or other resources, or protection of natural resources by conservation.</p> <p>“Responsible official” means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and the delegation of authority to such representatives is approved in advance by the Department. <i>Section 18.1.1</i></p> <p>“Rules and Regulations” shall mean the Jefferson County Board of Health Air Pollution Control Rules and Regulations.</p> <p>"SIP" shall be an acronym for State Implementation Plan.</p> <p>“Solvent” shall mean organic materials which are liquid at standard conditions and which are used as solvents, viscosity reducers, or cleaning agents. <i>Part 1.3</i></p>	

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	<p>"Source" shall mean any building, structure, facility, installation, article, machine, equipment, device, or other contrivance which emits or may emit any air contaminant. Any activity which utilizes abrasives or chemicals for cleaning or any other purpose (such as cleaning the exterior of buildings) which emits air contaminants shall be considered a source. <i>Part 1.3</i></p> <p>"Spray Application" shall mean a method of applying coatings by atomizing and directing the atomized spray toward the part to be coated.</p> <p>"Stationary Source" means any building, structure, facility or installation that emits or may emit any regulated pollutant as defined in Part 18.1 of the Rules and Regulations or any pollutant listed in Appendix D of the Rules and Regulations. <i>Section 18.1.1</i></p> <p>"Surface preparation" means use of a cleaning material on a portion of or all of a substrate. This includes use of a cleaning material to remove dried coating, which is sometimes called depainting. <i>40 CFR 63, Subpart M</i></p> <p>"Thinner" means an organic solvent that is added to a coating after the coating is received from the supplier. <i>40 CFR 63, Subpart M</i></p> <p>"Total volatile hydrocarbon (TVH)" means the total amount of nonaqueous volatile organic matter determined according to Methods 204 and 204A through 204F of Appendix M to 40 CFR 51 and substituting the term TVH each place in the methods where the term VOC is used. The TVH includes both VOC and non-VOC. <i>40 CFR 63, Subpart M</i></p> <p>"Transfer Efficiency" shall mean the efficiency of a surface coating application system to deposit coating solids on a substrate. The transfer efficiency of an application system is determined by dividing the volume of coating solids deposited on a substrate by the total volume of coating solids used. <i>Part 1.3</i></p> <p>"Uncontrolled coating operation" means a coating operation from which none of the organic HAP emissions are routed through an emission capture system and add-on control device. <i>40 CFR 63, Subpart M</i></p> <p>"VOC" shall be an acronym for volatile organic compound.</p> <p>"VOC Content" shall mean the volatile organic compound proportion of a surface coating, coating additive, filler, pigment or solvent that is used in surface coating application or solvent cleaning process.</p> <p>"Volatile Organic Compound" means any compound of carbon excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions. This includes any such organic compound other than those listed under Part 1.3 of the Rules and Regulations and/or under 40 CFR §51.100(s)(1). <i>Part 1.3</i></p> <p>"Volume fraction of coating solids" means the ratio of the volume of coating solids (also known as the volume of nonvolatiles) to the volume of a coating in which it is contained; liters (gal) of coating solids per liter (gal) of coating. <i>40 CFR 63, Subpart M</i></p> <p>In addition, the individual definitions as specified, in each applicable rule, regulation, or standard shall be utilized, where applicable.</p>	

Summary of Requirements for Facility-Wide Surface Coating of Miscellaneous Metal Parts and Products Subject to 40 CFR 63, Subpart Mmmm

Description: Manual Spray, Brush, Roll Painting and Semi-Automatic Spray Lance Painting, Including the Following Designation Numbers from the Permit Application: PC-1, PC-2, PC-3 & SW-1

Permitted Operating Schedule: 24 hours/day, 7 days/week, and 52 weeks/year

Type of Fuel Used:

Primary: None

Secondary: None

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Regulations
Volatile Organic Compounds (VOC)	0.42 kg VOC/liter coating (3.5 lb VOC/gallon coating) as applied	8.11.11(e)(2)
Volatile Organic Compounds (VOC)	95 tons/year Facility-Wide VOC 12-Month Rolling Total	Avoidance of Major Source Status & Part 2.5 Non-Attainment New Source Review (Permit 4-07-0455-01)
Organic HAP from General Use Coatings	0.31 kg organic HAP/liter coating solids (2.6 lb organic HAP/gallon coating solids)	63.3890(b) of Subpart Mmmm
Organic HAP from High Performance Coatings	3.3 kg organic HAP/liter coating solids (27.5 lb organic HAP/gallon coating solids)	63.3890(b) of Subpart Mmmm
Xylene (CAS 1330-20-7)	Xylene \leq 11.45 tons/year	Part 2.6 - 112(g) Case-by-Case MACT
Ethylbenzene (CAS 100-41-4)	Ethylbenzene \leq 11.45 tons/year	
Methyl Ethyl Ketone (CAS 78-93-3)	Methyl Ethyl Ketone \leq 15.57 tons/year	
Methyl Isobutyl Ketone (CAS 108-10-1)	Methyl Isobutyl Ketone \leq 5.41 tons/year	
Toluene (CAS 108-88-3)	Toluene \leq 4.96 tons/year	

Pollution Control Devices:

None

For Organic HAP: Mass Fraction of Organic HAP by EPA Method 311 of 40 CFR 63, Appendix A; or
Mass Fraction of Non-aqueous Volatile Material by EPA Method 24 of 40 CFR 60, Appendix A.

Reference Test Methods:

For Coating Solids: Volume Fraction of Coating Solids by ASTM Method D2697-86 (Reapproved 2014) or ASTM Method D6093-97 (Reapproved 2016)

For Density: Density of Coatings by ASTM Method D1475-13 or for the emission rate without add-on controls option, ASTM D2111-10 (Reapproved 2015)

For VOC Content: EPA Method 24 of 40 CFR 60, Appendix A
Daily Records per Condition 11

Monitoring Requirements:

Monthly 12-Month Rolling Total Calculations per Condition 9

Recordkeeping Requirements:

Condition 11, General Condition 45

Testing Requirements:

Condition 3, General Condition 42

Reporting Requirements:

General Conditions 43 through 46

Applicable Regulations:

Sections 8.1.2, 8.11.11, 8.11.12, 8.16.7, 18.5.1, 18.5.3; Part 2.6; 40 CFR 63, Subparts A & Mmmm

Emissions Unit No.	Emissions Unit Description	Equipment Listing
001	Facility-Wide Surface Coating of Miscellaneous Metal Parts and Products Subject to 40 CFR 63, Subpart MMMM	Manual Spray, Brush, Roll Painting and Semi-Automatic Spray Lance Painting, Including the Following Designation Numbers from the Permit Application: PC-1, PC-2, PC-3 & SW-1

No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE SURFACE COATING OF MISCELLANEOUS METAL PARTS & PRODUCTS SUBJECT TO 40 CFR 63, SUBPART MMMM	Regulations														
1.	<p><u>Applicability</u></p> <p>The facility-wide surface coating operations subject to the requirements below shall include the surface coating application systems, flash-off areas, surface coatings, solvents, additives, and solvent cleaning operations. The existing affected source for purposes of Subpart MMMM includes all coating operations, defined as equipment used to apply solvent cleaning materials to a substrate to prepare it for coating application (surface preparation) or to remove dried coating, to apply coating to a substrate (coating application) and to dry or cure the coating after application, or to clean coating operation equipment (equipment cleaning); all storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed; all manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and all storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.</p> <p>A. Section 8.11.11 of the Rules and Regulations regulating surface coating of miscellaneous metal parts and products;</p> <p>B. Section 8.11.12 of the Rules and Regulations concerning recordkeeping for surface coating operations;</p> <p>C. Section 8.16.7 of the Rules and Regulations concerning test methods and procedures for surface coating of miscellaneous metal parts and products;</p> <p>D. Part 2.6 of the Rules and Regulations for case-by-case MACT determination;</p> <p>E. 40 CFR 63, Subpart MMMM, “NESHAP: Surface Coating of Miscellaneous Metal Parts and Products;”</p> <p>F. 40 CFR 63, Subpart A, “General Requirements,” as identified in Table 2 of Subpart MMMM; and</p> <p>G. Chapter 18 of the Rules and Regulations regulating Title V major source permitting.</p>	2.6 8.11.11 8.11.12 8.16.7 18.1.1(q) 18.3.1 63.3881 63.3882(b) 63.3883(b) 63.3900(c) 63.3901 40 CFR 63, Subpart MMMM Table 2														
2.	<p><u>VOC/HAP Emission Limits</u></p> <p>The permittee shall not discharge emissions in excess of the rates appearing in the table below from coating operations:</p> <table><tr><th>Emission Restriction</th><th>Citation</th></tr><tr><td>0.42 kg VOC/liter coating (3.5 lb VOC/gallon coating) as applied</td><td>8.11.11(e)(2)</td></tr><tr><td>95 tons/year Facility-Wide VOC 12-Month Rolling Total</td><td>Avoidance of Major Source Status & Part 2.5 Non-Attainment New Source Review (Permit 4-07-0455-01)</td></tr><tr><td>For General Use Coatings: 0.31 kg organic HAP/liter coating solids (2.6 lb organic HAP/gallon coating solids)</td><td>63.3890(b) of Subpart MMMM</td></tr><tr><td>For High Performance Coatings: 3.3 kg organic HAP/liter coating solids (27.5 lb organic HAP/gallon coating solids)</td><td>63.3890(b) of Subpart MMMM</td></tr><tr><td>Xylene ≤ 11.45 tons/year 12-Month Rolling Total</td><td>Part 2.6 - 112(g) Case-by-Case MACT</td></tr><tr><td>Ethylbenzene ≤ 11.45 tons/year 12-Month Rolling Total</td><td>Part 2.6 - 112(g) Case-by-Case MACT</td></tr></table>	Emission Restriction	Citation	0.42 kg VOC/liter coating (3.5 lb VOC/gallon coating) as applied	8.11.11(e)(2)	95 tons/year Facility-Wide VOC 12-Month Rolling Total	Avoidance of Major Source Status & Part 2.5 Non-Attainment New Source Review (Permit 4-07-0455-01)	For General Use Coatings: 0.31 kg organic HAP/liter coating solids (2.6 lb organic HAP/gallon coating solids)	63.3890(b) of Subpart MMMM	For High Performance Coatings: 3.3 kg organic HAP/liter coating solids (27.5 lb organic HAP/gallon coating solids)	63.3890(b) of Subpart MMMM	Xylene ≤ 11.45 tons/year 12-Month Rolling Total	Part 2.6 - 112(g) Case-by-Case MACT	Ethylbenzene ≤ 11.45 tons/year 12-Month Rolling Total	Part 2.6 - 112(g) Case-by-Case MACT	8.11.11(e)(2) 8.1.2 63.3890(b) 63.3900(a)(1) 2.5.2(a)(1) 2.6
Emission Restriction	Citation															
0.42 kg VOC/liter coating (3.5 lb VOC/gallon coating) as applied	8.11.11(e)(2)															
95 tons/year Facility-Wide VOC 12-Month Rolling Total	Avoidance of Major Source Status & Part 2.5 Non-Attainment New Source Review (Permit 4-07-0455-01)															
For General Use Coatings: 0.31 kg organic HAP/liter coating solids (2.6 lb organic HAP/gallon coating solids)	63.3890(b) of Subpart MMMM															
For High Performance Coatings: 3.3 kg organic HAP/liter coating solids (27.5 lb organic HAP/gallon coating solids)	63.3890(b) of Subpart MMMM															
Xylene ≤ 11.45 tons/year 12-Month Rolling Total	Part 2.6 - 112(g) Case-by-Case MACT															
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No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE SURFACE COATING OF MISCELLANEOUS METAL PARTS & PRODUCTS SUBJECT TO 40 CFR 63, SUBPART MMMM		Regulations							
	<table><tr><th>Emission Restriction</th><th>Citation</th></tr><tr><td>Methyl Ethyl Ketone ≤ 15.57 tons/year 12-Month Rolling Total</td><td>Part 2.6 - 112(g) Case-by-Case MACT</td></tr><tr><td>Methyl Isobutyl Ketone ≤ 5.41 tons/year 12-Month Rolling Total</td><td>Part 2.6 - 112(g) Case-by-Case MACT</td></tr><tr><td>Toluene ≤ 4.96 tons/year 12-Month Rolling Total</td><td>Part 2.6 - 112(g) Case-by-Case MACT</td></tr></table> <p>The permittee shall be in compliance with the organic HAP emission limits at all times. Plant-wide, the permittee may apply up to an aggregate quantity of 55 gallons of all low-use coatings as an annual rolling average which exceeds the VOC emission limit, provided prior written approval is obtained from the Department, pursuant to Section 8.1.12 of the Rules and Regulations.</p>	Emission Restriction	Citation	Methyl Ethyl Ketone ≤ 15.57 tons/year 12-Month Rolling Total	Part 2.6 - 112(g) Case-by-Case MACT	Methyl Isobutyl Ketone ≤ 5.41 tons/year 12-Month Rolling Total	Part 2.6 - 112(g) Case-by-Case MACT	Toluene ≤ 4.96 tons/year 12-Month Rolling Total	Part 2.6 - 112(g) Case-by-Case MACT	
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Toluene ≤ 4.96 tons/year 12-Month Rolling Total	Part 2.6 - 112(g) Case-by-Case MACT									
3.	<p><u>VOC Emissions Limit Compliance Demonstration</u></p> <p>The compliance demonstration time frame for an individual coating line that applies coatings that are subject to the same regulated VOC emission rate under Part 8.11 shall be a 24-hour calendar day. The daily calculation shall include all coatings, diluents, thinners and additives. Compliance is based on the contents of the coating as delivered to the applicator and applied to the metal part or product. Test procedures used to determine the VOC and HAP contents of each product used shall be EPA Method 24 of 40 CFR 60, Appendix A. Alternatively, the permittee may rely upon certification of the contents by the manufacturer consistent with EPA Document 450/3-84-019, “Procedures for Certifying Quantity of VOC Emitted by Paint, Ink and Other Coatings.” Sufficient data to determine as-applied formulation must be provided if the as-applied formulation is different from the as-purchased coating.</p>	8.11.12(b) 8.11.11(e) 8.16.7								
4.	<p><u>Subpart MMMM General Requirements</u></p> <p>At all times, the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Department that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the affected source.</p>	63.3900(b) 63.6(e)(1)(i)								
5.	<p><u>Subpart MMMM Compliance Determination</u></p> <p>The permittee shall include all coatings, thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit. The permittee shall use either the complaint materials option or the emission rate without add-on controls option according to the following rules:</p> <p>A. The permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source.</p> <p>B. The permittee may use different compliance options for different coating operations, or at different times on the same coating operation.</p> <p>C. The permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts.</p> <p>D. The permittee may not use different compliance options at the same time on the same coating operation.</p> <p>E. The permittee must identify the compliance option used for each coating operation.</p> <p>F. If the permittee switches between compliance options for any coating operation or group of coating operations, the permittee shall document this switch as required by 40 CFR 63.3930(c), and shall report it in the next semiannual compliance report.</p>	63.3891 63.3930 63.3941 63.3942 63.3951 63.3952								

No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE SURFACE COATING OF MISCELLANEOUS METAL PARTS & PRODUCTS SUBJECT TO 40 CFR 63, SUBPART MMMM	Regulations
	<p>G. A compliance period consists of 12 months. Each month, after the end of the initial compliance period, is the end of a compliance period consisting of that month and the preceding 11 months.</p> <p>H. Failure to collect and keep records required by Subpart MMMM is a deviation.</p> <p>I. A deviation from emission limits is defined as follows:</p> <ul style="list-style-type: none"> a. For the complaint material option, the use of any coating for which the organic HAP content, determined using Equation 2 of §63.3941, exceeds the applicable emission limit in §63.3890 and the use of any thinner and/or other additive, or cleaning material that contains organic HAP, determined according to §63.3941(a); and b. For the emission rate without add-on controls option, if the organic HAP emission rate for any 12-month compliance period exceeds the applicable emission limit under §63.3890. 	
6.	<p><u>Subpart MMMM – Complaint Material Option</u></p> <p>For each 12-month compliance period, 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, and that each thinner and/or other additive, and cleaning material contains no organic HAP. The compliance calculation shall use the equations and procedure at §63.3941 and is made on the basis of the condition in which the material is received from the manufacturer or supplier and prior to any alteration. No operating limits or work practice standards are required.</p>	<p>63.3891(a) 63.3892(a) 63.3893(a) 63.3941 63.3942(a)</p>
7.	<p><u>Subpart MMMM – Emission Rate Without Add-On Controls Option</u></p> <p>For each 12-month compliance period, 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 for the coating operation(s) is less than or equal to the applicable emission limit, calculated each month as a rolling 12-month emission rate. Any coatings, thinners and/or other additives used in coating operations for which compliance is demonstrated using the complaint materials option shall not be included in the compliance calculation. The compliance calculation shall use the equations and the procedure at §63.3951, using data from the previous 12 months of operations. No operating limits or work practice standards are required.</p>	<p>63.3891(b) 63.3892(a) 63.3893(a) 63.3951 63.3952(a)</p>
8.	<p><u>Subpart MMMM – Emission Rate With Add-on Controls Option</u></p> <p>Applications shall be submitted prior to the installation of any add-on control device used for compliance with emission limits for organic HAP and a permit modification will be required.</p>	<p>18.2.4 63.3891(c)</p>
9.	<p><u>Facility-Wide VOC and Individual HAP Monthly Compliance Demonstration</u></p> <p>Within the first 2 weeks of each month, the permittee shall calculate the previous month's emissions of VOC, xylene, ethylbenzene, methyl ethyl ketone, methyl isobutyl ketone and toluene. The permittee shall sum the monthly calculated emissions of each listed pollutant for the previous 12 months and compare them to the annual emissions thresholds in Condition 2 above. The permittee shall maintain record of these calculations. If any emissions limit has been exceeded, the permittee shall notify the Department within 2 working days.</p>	<p>1.9 18.5.3 18.7.5(b)</p>
10.	<p><u>Waste Paint and Solvent Disposal</u></p> <p>The permittee shall collect and properly contain as much as possible of the waste solvent and paint that is not reusable. The permittee shall not cause or allow the disposal of waste VOC/HAP containing materials in sewers, open containers, or in any manner that would result in vaporization to the atmosphere. Records of the method of disposal shall be maintained. This solvent cannot be used as a diluent for the surface coatings unless properly documented and does not exceed the allowable VOC restriction under any permit condition of this permit or any Rule or Regulation.</p>	<p>18.2.4 18.5.3</p>
11.	<p><u>Required Records</u></p> <p>The permittee shall maintain the following records in a manner that they can be readily accessed and are suitable for inspection for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record:</p>	<p>8.11.12 18.5.3 63.10(b) 63.3930</p>

No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE SURFACE COATING OF MISCELLANEOUS METAL PARTS & PRODUCTS SUBJECT TO 40 CFR 63, SUBPART MMMM	Regulations
	<p>A. For production data and emissions reporting, the following annual summary data:</p> <ul style="list-style-type: none"> a. Hours of operation of surface coating operations; b. Total quantity of surface coatings, organic solvent thinners and cleanup solvents used; c. Quantity of waste surface coatings, solvent thinners and cleanup solvents disposed of properly (i.e.: sent to a waste solvent recovery facility or incinerated); and d. Density, VOC/HAP content, and solids content for each coating, thinner, and solvent used. <p>B. The following daily records, as required by Section 8.11.12 of the Rules and Regulations, to be kept in the units necessary to verify compliance with the applicable regulations:</p> <ul style="list-style-type: none"> a. Quantity in gallons of all surface coatings delivered to the application system; and b. Quantity in gallons of all organic liquid diluents (coating thinners and additives) added to the surface coatings; c. Quantity in gallons of all organic liquid solvents used for wash or cleanup; d. Quantity in gallons of all organic liquid waste properly contained and shipped out for proper disposal and a certification of the waste density and percent VOC content by weight; e. Date of each application of surface coatings and diluents and usage of wash and cleanup solvents; f. Regulation(s) applicable to the coating line for which the records are being maintained; g. Application method and the substrate material type; and h. The following information on all surface coatings and organic liquid solvents (diluents, additives, wash and cleanup): <ul style="list-style-type: none"> i. Manufacturer (supplier); and ii. Product name and manufacturer's code number; and iii. Density (pounds per gallon); and iv. VOC content in percent weight and volume; and v. Solids content in percent weight and volume; and vi. Water content in percent weight and volume; and vii. Exempt VOC content in percent weight and volume; and viii. Pounds of VOC per gallon of coating delivered to the application system, excluding water and exempt VOC. <p>C. For Subpart MMMM compliance:</p> <ul style="list-style-type: none"> a. Copy of each notification and report submitted to comply with Subpart MMMM and the documentation supporting each notification and report; b. Current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. <ul style="list-style-type: none"> i. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, keep a copy of the complete test report. ii. If information provided by the manufacturer or supplier of the material that was based on testing is used, keep the summary sheet 	<p>63.3931 63.3942(d) 63.3952(d)</p>

No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE SURFACE COATING OF MISCELLANEOUS METAL PARTS & PRODUCTS SUBJECT TO 40 CFR 63, SUBPART Mmmm	Regulations
	<p>of results provided by the manufacturer or supplier. It is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.</p> <ul style="list-style-type: none"> c. For each compliance period: <ul style="list-style-type: none"> i. Record of the coating operations on which each compliance option was used and the time periods (beginning and ending dates and times) for each option used. ii. For the compliant material option: <ul style="list-style-type: none"> 1. Record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.3941; iii. For the emission rate without add-on controls option: <ul style="list-style-type: none"> 1. Density for each coating, thinner, and/or other additive, and cleaning material used during each compliance period. 2. Calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of §63.3951; 3. If applicable, the calculation used to determine mass of organic HAP in waste materials according to § 63.3951(e)(4); 4. Calculation of the total volume of coating solids used each month using Equation 2 of §63.3951; and 5. Calculation of each 12-month organic HAP emission rate using Equation 3 of §63.3951. d. Record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. <ul style="list-style-type: none"> i. If the compliant material option is being used for all coatings at the source, purchase records for each material used may be maintained rather than a record of the volume used. e. Record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight. f. Record of the volume fraction of coating solids for each coating used during each compliance period. g. If an allowance in Equation 1 of §63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.3951(e)(4) is being used, the following records: <ul style="list-style-type: none"> i. The name and address of each TSDF to which waste materials were sent for which an allowance in Equation 1 of §63.3951; ii. Statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; iii. Date of each shipment; iv. Identification of the coating operations producing waste materials included in each shipment and the month or months in which the allowance for these materials in Equation 1 of §63.3951 was used; v. Methodology used in accordance with §63.3951(e)(4) to determine the total amount of waste materials sent to or the 	

No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE SURFACE COATING OF MISCELLANEOUS METAL PARTS & PRODUCTS SUBJECT TO 40 CFR 63, SUBPART Mmmm	Regulations
	<p>amount collected, stored, and designated for transport to a TSDF each month; and</p> <ul style="list-style-type: none"> vi. Methodology to determine the mass of organic HAP contained in these waste materials. <ul style="list-style-type: none"> 1. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment. h. For each deviation from an emission limitation reported under §63.3920(a)(5) through (7), a record of the following information: <ul style="list-style-type: none"> i. The date, time, and duration of the deviation, as reported under §63.3920(a)(5) through (7); ii. A list of the affected sources or equipment for which the deviation occurred and the cause of the deviation, as reported under §63.3920(a)(5) through (7); iii. An estimate of the quantity of each regulated pollutant emitted over any applicable emission limit in §63.3890 or any applicable operating limit in table 1 to this subpart, and a description of the method used to calculate the estimate, as reported under §63.3920(a)(5) through (7); and iv. A record of actions taken to minimize emissions in accordance with §63.3900(b) and any corrective actions taken to return the affected unit to its normal or usual manner of operation. i. Records shall be kept in the following manner: <ul style="list-style-type: none"> i. Any records required to be maintained by Subpart Mmmm that are in reports that were submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to the Department or the EPA as part of an on-site compliance evaluation. <p>D. The following additional records:</p> <ul style="list-style-type: none"> a. Purchase orders and invoices of materials; b. For any spill of VOC/HAP materials: the date and time of the spill, the substance spilled, the quantity spilled, and the quantity recovered and/or emitted to the atmosphere; and c. For any VOC/HAP containing materials that are properly disposed, the quantity in gallons and certification of the VOC content in percent weight. d. Records of the date, time, and duration of each deviation; and e. The occurrence and duration of any malfunction of process and/or control equipment or any deviation or violation of permit conditions, including the probable cause of said malfunctions, deviations, or violations, and any corrective actions or preventive measures that were taken. <p>Records shall be maintained onsite for 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, but may be stored offsite for the remaining 3 years. Records may be maintained in electronic and/or hard copy format.</p>	

Summary of Requirements for Facility-Wide Abrasive Blasting Operations

Description: Facility-Wide Abrasive Blasting Operations Including 3 Abrasive Blasting Machines, Including the Following Designation Numbers from the Permit Application: SB-1, SB-2 & SB-3

Permitted Operating Schedule: 24 hours/day, 7 days/week, and 52 weeks/year

Type of Fuel Used:

Primary:

None

Secondary:

None

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Regulations
Visible Emissions	20% opacity as a 6-minute average	6.1.1
Fugitive Dust	No Visible Emissions May Travel Beyond the Property Line	6.2.2

Pollution Control Devices: None

Reference Test Methods: For Visible Emissions:
EPA Method 9 of 40 CFR 60, Appendix A

Continuous Monitoring System: Not applicable

Monitoring Requirements: Daily Visible Emission Observation per Condition 5

Recordkeeping Requirements: Condition 6, General Condition 45

Testing Requirements: General Condition 42

Reporting Requirements: General Conditions 43 through 46

Applicable Regulations: Chapters 6 & 18

Emissions Unit No.	Emissions Unit Description	Equipment Listing
002	Facility-Wide Abrasive Blasting Operations	3 Abrasive Blasting Machines, Including the Following Designation Numbers from the Permit Application: SB-1, SB-2 & SB-3

No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE ABRASIVE BLASTING OPERATIONS	Regulations
1.	<p><u>Applicability</u> The facility-wide abrasive blasting operations subject to the requirements below shall include any equipment, device, or contrivance and all appurtenances thereto, including abrasive blasting machines, abrasive blasting materials, abrasive blasting material storage and feeding equipment, building and plastic drape enclosures. In addition to the General Permit Conditions, this unit is subject to:</p> <p>A. Part 6.1 of the Rules and Regulations regulating visible emissions; B. Part 6.2 of the Rules and Regulations regulating fugitive dust; and C. Chapter 18 of the Rules and Regulations regulating Title V major source permitting.</p>	6.1 6.2 18.1.1(q) 18.3.1
2.	<p><u>Building Enclosure Requirements</u> Abrasive blasting operations shall be enclosed within a plant building.</p>	6.2 18.5.1
3.	<p><u>Visible Emissions</u> The permittee shall not discharge into the atmosphere from abrasive blasting operations or any other source of emission any air contaminant with an opacity greater than 20%, as determined by a 6-minute average using EPA Method 9 of 40 CFR 60, Appendix A, except that during (1) 6-minute period in any 60-minute period, particulate emissions from a source of emission may reach but not exceed 40% opacity.</p>	6.1.1 18.5.1
4.	<p><u>Fugitive Dust</u></p> <p>A. The permittee shall take all reasonable precautions to prevent particulate matter from becoming airborne, including but not limited to wet suppression, paving, enclosures, and control device(s).</p> <p>B. Adequate containment methods shall be employed during abrasive blasting operations. The following enclosures are required:</p> <ol style="list-style-type: none"> Abrasive blasting machines SB-1 and SB-2 shall be enclosed in a 3-sided building with thick plastic drapes (or other acceptable material) over the open-ends of the building. The plastic drapes shall be maintained so that fugitive dust does not leave the abrasive blasting enclosure. All abrasive blasting shall be done within the enclosures, unless the material to be cleaned is too large to fit inside the enclosure. Abrasive blasting machine SB-3 for large pipe shall be located away from property lot line. <p>C. The permittee shall not cause or allow the discharge of visible fugitive dust emissions beyond the lot line of the property on which the emissions originate. If dust from the abrasive blasting operation escapes from a building or equipment in such a manner and amount as to cause a nuisance or to violate any rule or regulation, the permittee shall be required to tightly close the building or equipment and ventilated in such a way that all air borne material leaving the building or equipment is treated by removal of air contaminants before discharge to the open air.</p>	6.2.1(c) 6.2.2 6.2.3
5.	<p><u>Daily Visible Emission Observation</u> The permittee shall perform a daily visible observation during the operation of the abrasive blasting machines for any visible emissions (dust) crossing the plant property lines. If the permittee observes any visible emissions, the abrasive blasting operations shall be shutdown and corrective actions taken. When no more visible emissions occur, the abrasive blasting operations may begin again. A record of visible emissions occurrence and the actions taken shall be recorded and a report submitted to the Department within two (2) working days.</p>	6.1 6.2 18.5.3
6.	<p><u>Recordkeeping</u> The permittee shall maintain the following records for the emissions units listed above:</p> <p>A. Hours of operation of each abrasive blasting unit and the air washer;</p>	1.9.1 18.5.3

No.	FEDERALLY ENFORCEABLE CONDITIONS FOR FACILITY-WIDE ABRASIVE BLASTING OPERATIONS	Regulations
	B. Quantity of each abrasive material used (tons); C. Quantity of material (piping) subjected to abrasive blasting (tons); D. Quantity of dust collected and disposed of from the air washer; E. Time, date, name of observer for visible emissions observations; and F. Records and reports of corrective actions, as required by Condition No. 5.	

APPENDIX A: CROSS-REFERENCES TABLE: JCBH 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 No. 335-1-1	Organization
No equivalent provision	Section 335-1-1-.03 ¹	Organization and Duties of the Commission
No equivalent provision	Section 335-1-1-.04	Organization of the Department
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	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 ²	Permit Procedures
Part 2.3	Section 335-3-14-.03	Standards for Granting Permits
Part 2.4	Section 335-3-14-.04 ^{3,4,5}	Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration (PSD)]
Part 2.5	Section 335-3-14-.05 ⁶	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

¹ ADEM amendments effective on December 7, 2018 have not been approved in the SIP by EPA.

² ADEM amendments effective on September 7, 2000 and July 11, 2006 have not been approved in the SIP by EPA.

³ Exceptions to approval as of July 3, 2019: Except for changes to 335-3-14-.04(2)(w)1., state effective July 11, 2006, which lists a 100 ton per year significant net emissions increase for regulated NSR pollutants not otherwise specified at 335-3-14-.04(2)(w).

⁴ Exceptions to approval as of July 3, 2019: Except for the significant impact levels at 335-3-14-.04(10)(b) which were withdrawn from EPA consideration on October 9, 2014.

⁵ Exceptions to approval as of July 3, 2019: Except for the second sentence of paragraph 335-3-14-.04(2)(bbb)2., as well as the second and fourth sentences of paragraph 335-3-14-.04(2)(bbb)3., which include changes from the vacated federal ERP rule and were withdrawn from EPA consideration by the State on May 5, 2017.

⁶ Exceptions to approval as of December 14, 2018: With the exception of: The portion of 335-3-14-.05(1)(k) stating “excluding ethanol production facilities that produce ethanol by natural fermentation”; and 335-3-14-.05(2)(c)3 (addressing fugitive emission increases and decreases). Also with the exception of the state-withdrawn elements: 335-3-14-.05(1)(h) (the actual-to-potential test for projects that only involve existing emissions units); the last sentence at 335-3-14-.05(3)(g), stating “Interpollutant offsets shall be determined based upon the following ratios”; and the NNSR interpollutant ratios at 335-3-14-.05(3)(g)1-4.

JCDH Citation	State Citation	Title/Subject
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 ⁷	Section 335-3-3-.01	Open Burning
Part 5.2	Section 335-3-3-.02 ⁸	Incinerators
Part 5.3 ⁹ , 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
Part 6.1 ¹⁰	Section 335-3-4-.01	Visible Emissions
Part 6.2	Section 335-3-4-.02 ¹¹	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 ¹²	Section 335-3-4-.05	Small Foundry Cupola
Part 6.6 ¹³	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
No equivalent provision	Section 335-3-4-.10	Primary Aluminum Plants
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-.13 ¹⁴	Sintering Plants
No equivalent provision	Section 335-3-4-.14	Grain Elevators
No equivalent provision	Section 335-3-4-.15	Secondary Lead Smelters
No equivalent provision	Section 335-3-4-.17	Steel Mills Located in Etowah County
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
Part 7.6	Sections 335-3-5-.06 through 335-3-5-.36	TR SO ₂ Trading Program
Chapter 8	Chapter No. 335-3-6	Control of Organic Emissions
Part 8.1 ¹⁵	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 ¹⁶ ,	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

⁷ 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.

⁸ Amendments to 335-3-3-.02 effective September 19, 1991 have not been approved into the SIP by EPA.

⁹ 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.”

¹⁰ ADEM has no equivalent to Section 6.1.8.

¹¹ ADEM 335-3-4-.02(4) was removed effective July 15, 1999, however, the provision is still included in the EPA-approved SIP.

¹² 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.

¹³ 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.

¹⁴ ADEM has removed and reserved this section, however it remains listed in the EPA approved SIP. See 40 CFR 52.50(c).

¹⁵ The definition of “low-use coating” at ADEM 335-3-6-.24(2)(d) is located at JCDH Part 1.3.

¹⁶ Amendments to 335-3-6-.26 effective September 21, 1989 and July 31, 1991 have not been approved into the SIP by EPA. 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)).

JCDH Citation	State Citation	Title/Subject
No equivalent provision	Section 335-3-6-.31 ¹⁷	Petroleum Refinery Sources
Part 8.11	Section 335-3-6-.32	Surface Coating
Part 8.12	Section 335-3-6-.33	Solvent Metal Cleaning
Part 8.13	Section 335-3-6-.34	Cutback and Emulsified Asphalt
No equivalent provision	Section 335-3-6-.35 ¹⁸	Petition for Alternative Controls
Part 8.15	Section 335-3-6-.36	Compliances Schedules
Part 8.16 ¹⁹	Section 335-3-6-.37	Test Methods and Procedures
No equivalent provision	Section 335-3-6-.38	Reserved
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
No equivalent provision	Section 335.3.6-.42	Reserved
Part 8.22	Section 335-3-6-.43	Graphic Arts
Part 8.23	Section 335-3-6-.44	Petroleum Liquid Storage in External Floating Roof Tanks
Part 8.24	Section 335-3-6-.45	Large Petroleum Dry Cleaners
No equivalent provision	Section 335-3-6-.46	Reserved
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	Manufacture of Laminated Countertops
Part 8.29	Section 335-3-6-.50	Paint Manufacture
Part 8.23 ²⁰	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	New Combustion Sources
Part 10.7	Sections 335-3-8-.07 through 335-3-8-.38	TR NO _x Annual Trading Program
Part 10.8	Sections 335-3-8-.39 through 335-3-8-.70	TR NO _x Ozone Season Trading Program
Part 10.9	Sections 335-3-8-.71 & 335-3-8-.72	NO _x Budget Program
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

¹⁷ ADEM has removed and reserved this section, however it remains listed in the EPA approved SIP. See 40 CFR 52.50(c).

¹⁸ Amendments to 335-3-6-.35 effective July 31, 1991 have not been approved into the SIP by EPA.

¹⁹ 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 for VOC capture and control systems are located at ADEM 335-3-6-.37(13). JCDH 8.16.5 is reserved, and JCDH 8.16.13 is very brief.

²⁰ Test Methods 204, 204A-204F are not included in the EPA-approved SIP.

JCDH Citation	State Citation	Title/Subject
No equivalent provision	Chapter No. 335-3-12²¹	Continuous Monitoring Requirements for Existing Sources
No equivalent provision	Chapter No. 335-3-13	Control of Fluoride Emissions
Chapter 17	Chapter No. 335-3-15	Synthetic Minor Operating Permits
Part 17.1	Section 335-3-15-.01 ²²	Definitions
Part 17.2, except 17.2.8(h)(7)	Section 335-3-15-.02	General Provisions
Part 17.3	Section 335-3-15-.03	Applicability
Part 17.4 ²³	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	Transportation Conformity
Part 19.2	Section 335-3-17-.02	General Conformity

²¹ Amendments to 335-3-12-.02 effective September 7, 2000 have not been approved into the SIP by EPA.

²² Amendments to 335-3-15-.01 effective January 16, 1997 have not been approved into the SIP by EPA. Only the first sentence of ADEM 335-3-15-.01(g) is approved into the SIP. JCDH does not include the unapproved language.

²³ The federally enforceable provisions of ADEM 335-3-15-.04(3)(c) are located at JCDH 2.1.7(a).