



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: **M&H Valve Company**

FACILITY NAME: **M&H Valve Company**

FACILITY/PERMIT NO.: 301-0006

LOCATION: ANNISTON, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: XXXX, 2016

Expiration Date: XXXX, 2021

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<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1) (a) 5.</p>	Rule 335-3-16-.02(6)
<p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	Rule 335-3-16-.12(2)
<p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	Rule 335-3-16-.05(e)
<p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p>

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<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	Rule 335-3-16-.05(h)
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	Rule 335-3-16-.05(i)
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit 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 this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	Rule 335-3-16-.05(j)
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	Rule 335-3-16-.05(k)
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness except as provided in Rule 335-3-16-.04(9)(b). This 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.</p>	Rule 335-3-16-.07(a)
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <p>(a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records</p>	Rule 335-3-16-.07(b)

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<p>must be kept pursuant to the conditions of this permit;</p> <p>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</p> <p>(c) Inspect, at reasonable times, this facility’s equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p> <p>11. <u>Compliance Provisions</u></p> <p>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p> <p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually within 60 days of the anniversary date of the issuance of this permit.</p> <p>(a) The compliance certification shall include the following:</p> <p>(1) The identification of each term or condition of this permit that is the basis of the certification;</p> <p>(2) The compliance status;</p> <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recording Keeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="text-align: center;">Alabama Department of Environmental Management Air Division</p>	<p>Rule 335-3-16-.07(c)</p> <p>Rule 335-3-16-.07(e)</p>

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<p>P.O. Box 301463 Montgomery, AL 36130-1463</p> <p>and to:</p> <p>Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <ul style="list-style-type: none"> (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. 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 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. (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements. 	<p>Rule 335-3-16-.13(5)</p>
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing</p>	<p>§22-28-16(d), <u>Code of</u></p>

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<p>on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p><u>Alabama 1975</u>, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	<p>Rule 335-3-1-.07(1),(2)</p>
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as</p>

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<p>manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	amended
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	Rule 335-3-1-.08
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne:</p> <p>(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; or</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; or</p> <p>(3) By paving; or</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; or</p> <p>(5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.</p>	Rule 335-3-4-.02
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	Rule 335-3-16-.13 and .14
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall</p>	Rule 335-3-16-.05(c) 2.

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<p>include the following:</p> <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	
<p>21. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> (a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9). (b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken. 	<p>Rule 335-3-16-.05(c) 3.</p>
<p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p>

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<p>regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> (a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning). (c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity. (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules</p>	<p>Rule 335-3-1-.04(1)</p>

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<p>and regulations. The Department may require emission testing at any time.</p> <p>25. <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 as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>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 device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p> <p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p> <p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who</p>	<p>40 CFR Part 82</p> <p>40 CFR Part 68</p> <p>Rule 335-3-14-.01(1)(d)</p>

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<p>may request to see it.</p>	
<p>28. <u>Circumvention</u></p> <p>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 contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>Rule 335-3-4-.01(1)</p>
<p>30. <u>Fuel-Burning Equipment</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	<p>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p>
<p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	<p>Rule 335-3-4-.04</p>
<p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>Rule 335-3-1-.05</p>
<p>33. <u>Compliance Assurance Monitoring (CAM)</u></p> <p>Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM</p>	

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<p>requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.</p> <p>(a) Operation of Approved Monitoring</p> <p>(1) Commencement of operation. The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos and CAM appendix of this permit (if required) upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).</p> <p>(2) Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p> <p>(3) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p> <p>(4) Response to excursions or exceedances.</p> <p>a. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions</p>	<p>40 CFR 64.7</p>

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<p>may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable</p> <p>b. Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p> <p>(5) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.</p> <p>(b) Quality Improvement Plan (QIP) Requirements</p> <p>(1) Based on the results of a determination made under Section 33(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.</p> <p>(2) Elements of a QIP:</p> <p style="padding-left: 20px;">A. The owner or operator shall maintain a written QIP, if</p>	<p>40 CFR 64.8</p>

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<p>required, and have it available for inspection.</p> <p>B. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:</p> <ul style="list-style-type: none"> i. Improved preventive maintenance practices. ii. Process operation changes. iii. Appropriate improvements to control methods. iv. Other steps appropriate to correct control performance. v. More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above). <p>(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.</p> <p>(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 33(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:</p> <ul style="list-style-type: none"> A. Failed to address the cause of the control device performance problems; or B. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p> <p>(c) Reporting and Recordkeeping Requirements</p> <p>(1) General reporting requirements</p>	<p>40 CFR 64.9</p>

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<p>A. On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code R. 335-3-16-.05(c)3.</p> <p>B. A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code R. 335-3-16-.05(c)3. and the following information, as applicable:</p> <ul style="list-style-type: none"> (i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken; (ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and (iii) A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring. <p>(2) General recordkeeping requirements.</p> <p>A. The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code R. 335-3-16-.05(c)2. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 33(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).</p> <p>B. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative</p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.</p> <p>(d) Savings Provisions</p> <p>(1) Nothing in this part shall:</p> <p>A. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.</p> <p>B. Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but no limited to sections 114(a)(1) and 504(b), or state law, as applicable.</p> <p>C. Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.</p>	<p>40 CFR 64.10</p>

Summary Page for Molding Section (Emission Point 1)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout Controlled by Baghouse 1	PM	The lesser of 25.79 lb/hr, (22.76 tpy), or the allowable set by 17.31(P) ^{0.16}	SIP ADEM Admin. Code R. 335-3-4-.04 Rule 335-3-14-.04 (Anti-PSD)
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout Controlled by Baghouse 1	PM-10	Combined PM-10 lb/hr limit 6.18 lb/hr (5.45 tpy)	Rule 335-3-14-.04 (Anti-PSD)
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout Controlled by Baghouse 1	Opacity	(see general proviso 29)	SIP ADEM Admin. Code R. 335-3-4-.01(1)
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout Controlled by Baghouse 1	SOx	N/A	N/A
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout Controlled by Baghouse 1	CO	N/A	N/A
001	Pouring and Cooling Sand Handling Disamatic Moldmaking Shakeout Controlled by Baghouse 1	NOx	N/A	N/A
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout Controlled by Baghouse 1	Phenol	1.79 lb/hr (1.58 tpy)	40 CFR Part 63.7681 (MACT Avoidance)
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout Controlled by Baghouse 1	Benzene	5.06 lb/hr (4.46 tpy)	40 CFR Part 63.7681 (MACT Avoidance)
001	Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout	Toluene	2.11 lb/hr (1.87 tpy)	40 CFR Part 63.7681 (MACT Avoidance)

001	<p>Controlled by Baghouse 1</p> <p>Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout</p>	Xylene	1.32 lb/hr (1.17 tpy)	40 CFR Part 63.7681 (MACT Avoidance)
001	<p>Controlled by Baghouse 1</p> <p>Pouring and Cooling Sand Handling system Disamatic Moldmaking Shakeout</p> <p>Controlled by Baghouse 1</p>	HAPs	Facility Wide HAP Limit 9.5 tons per year for any single HAP and 24.5 tons per year for any combination of HAPs	40 CFR Part 63.7681 (MACT Avoidance)

Provisos for Molding Section (Emission Point 1)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03 "Major Source Operating Permits."	Rule 335-3-16-.03
2. For particulate matter emissions, this source is subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring" to include General Proviso No. 33.	40 CFR Part 64
3. This source has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"	Rule 335-3-14-.04
4. This source has an enforceable limit in order to prevent it from being subject to the provisions of 40 CFR Part 63 Subpart EEEEE.	40 CFR Part 63.7681 (MACT Avoidance)
Emission Standards	
1. This source is subject to requirements listed in the General Permit Provisos, including general provisos 29 and 31.	335-3-4-.01 335-3-4-.04
2. This source is subject to a 25.79 lb/hr (22.76 tpy) for Particulate Matter Emissions and a 6.18 lb/hr (5.45 tpy) for PM-10 Emissions or the lesser of process weight allowable as defined by Rule 335-3-4-.04.	Rule 335-3-14-.04 (Anti-PSD)
3. This source is subject to individual HAP limits for phenol 1.79 lb/hr (1.58 tpy), benzene 5.06 lb/hr (4.46 tpy), toluene 2.11 lb/hr (1.87 tpy), and xylene 1.32 lb/hr (1.17 tpy).	40 CFR Part 63.7681 (MACT Avoidance)
4. This source is subject to a facility wide emissions limit for HAPs. The HAPs limit shall not exceed 9.5 tons per year for any single HAP and 24.5 tons per year for any combination of HAPs.	40 CFR Part 63.7681 (MACT Avoidance)
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR Part 60 (latest edition),, Appendix A, shall be used to determine compliance with the applicable particulate matter emissions standard and combined lb/ton limits.	Rule 335-3-1-.05
2. Method 201 or an alternative approved by the Department as found in Appendix A of 40 CFR Part 60 (latest edition), shall be used to determine compliance with the applicable PM 10 standards and combined lb/ton limits.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine compliance with the applicable opacity	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
standard.	
4. Method 18 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine the HAP emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. Reference the Appendix for the monitoring requirements for 40 CFR Part 64, "Compliance Assurance Monitoring."	40 CFR Part 64
2. This facility shall perform a quarterly inspection of the baghouse to verify proper operation. The following activities shall be performed:	Rule 335-3-16-.05
(a) Once per quarter check hopper, fan and cleaning cycle for proper operation	
(b) Once per quarter perform a visual check of all hoods and ductwork	
(c) Record any repairs or observed problems.	
Recordkeeping and Reporting Requirements	
1. If a Method 9 test is performed, the results will be documented using an ADEM visible emissions observation report, and the cause and corrective action taken will be documented in a logbook. Each record shall be maintained for a period of 5 years.	40 CFR Part 64
2. This facility shall maintain a record of all visual checks and Method 9 tests performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.	40 CFR Part 64
3. This facility shall maintain a record of all differential pressure readings performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.	40 CFR Part 64
4. This facility shall maintain a record of all quarterly inspections of the baghouse associated with these units in order to satisfy periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.	Rule 335-3-16-.05(c)

Summary Page for Melting Section (Emission Point 3)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
003	Scrap Preheater Two Electric Induction Furnaces Ladle Transfer, Ductile Treatment and Post Inoculation Controlled by the melting baghouse (BH3)	PM	The lesser of 2.76 lb/hr, (2.44 tpy), or the allowable set by 17.31(P) ^{0.16}	SIP ADEM Admin. Code R. 335-3-4-.04 Rule 335-3-14-.04 (Anti-PSD)
003	Scrap Preheater Two Electric Induction Furnaces Ladle Transfer, Ductile Treatment and Post Inoculation Controlled by the melting baghouse (BH3)	PM-10	Combined PM-10 lb/ton limit 2.72 lb/hr (2.40 tpy)	Rule 335-3-14-.04 (Anti-PSD)
003	Scrap Preheater Two Electric Induction Furnaces Ladle Transfer, Ductile Treatment and Post Inoculation Controlled by the melting baghouse (BH3)	Opacity	(see general provisos)	SIP ADEM Admin. Code R. 335-3-4-.01(1)
003	Scrap Preheater Two Electric Induction Furnaces Ladle Transfer, Ductile Treatment and Post Inoculation Controlled by the melting baghouse (BH3)	VOC	N/A	N/A
003	Scrap Preheater Two Electric Induction Furnaces Ladle Transfer, Ductile Treatment and Post Inoculation Controlled by the melting baghouse (BH3)	CO	N/A	N/A
	Miscellaneous Facility Wide	N/A	No motor vehicle scrap & no binder catalyst with methanol	40 CFR 63, Subpart ZZZZZ
	Miscellaneous Facility Wide	MFHAP	N/A	40 CFR 63, Subpart XXXXXX

Provisos for Melting Section (Emission Point 3)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03 "Major Source Operating Permits."	Rule 335-3-16-.03
2. For particulate matter emissions, this source is subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring" to include General Proviso No. 33.	40 CFR Part 64
3. This source has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"	Rule 335-3-14-.04
4. This facility is subject to the provisions of 40 CFR 63, Subpart ZZZZZ, NESHAP for HAPs for Iron and Steel Foundries Area Sources, specifically, §63.10885 and §63.10886.	40 CFR Part 63, Subpart ZZZZZ
5. This facility is subject to the provisions of 40 CFR 63, Subpart XXXXXX, NESHAP for Area Source Standards for Nine Metal Fabrication and finishing Source Categories, specifically, §63.11517 and §63.11519.	40 CFR Part 63, Subpart XXXXXX
Emission Standards	
1. This source is subject to requirements listed in the General Permit Provisos, including general provisos 29 and 31.	335-3-4-.01 335-3-4-.04
2. Particulate matter emissions from this shall not exceed 2.76 lb/hr (2.44 tpy) or the lesser of process weight allowable as defined by rule 335-3-4-.04. PM-10 emissions shall not exceed 2.72 lb/hr (2.40 tpy) of melted metal.	Rule 335-3-14-.04 (Anti-PSD)
3. This source is limited to 60,000 tons of metal in any consecutive 12-month period.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine compliance with the applicable particulate matter emissions standard and combined lb/ton limits.	Rule 335-3-1-.05
2. Method 201 or an alternative approved by the Department as found in Appendix A of 40 CFR Part 60 (latest edition), shall be used to determine compliance with the applicable PM 10 standards and combined lb/ton limits.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
3. Method 9 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine compliance with the applicable opacity standard.	Rule 335-3-1-.05
4. Compliance with §63.10885 will be demonstrated by having a metallic scrap management program and by certifying that the scrap does not contain motor vehicle scrap. Compliance with §63.10886, the facility will not use a binder catalyst formulation that contains methanol.	40 CFR §63.10885 & §63.10886 Subpart ZZZZZ
5. Compliance with §63.11517 will be demonstrated by <i>visual determination of fugitive emissions</i> performed according to EPA Method 22 Testing, 40 CFR Part 60, Appendix A-7 as applicable.	40 CFR §63.11517 Subpart XXXXXX
Emission Monitoring	
1. Reference the Appendix for the monitoring requirements for 40 CFR Part 64, "Compliance Assurance Monitoring."	40 CFR Part 64
2. This facility shall perform a quarterly inspection of the baghouse to verify proper operation. The following activities shall be performed:	Rule 335-3-16-.05
(a) Once per quarter check hopper, fan and cleaning cycle for proper operation	
(b) Once per quarter perform a visual check of all hoods and ductwork	
(c) Record any repairs or observed problems.	
3. This facility shall perform visual fugitive emissions checks in accordance with 40 CFR §63.11517 (a-d) visual determination of fugitive emissions, graduated schedule as applicable.	40 CFR §63.11517 (a-d) Subpart XXXXXX
Recordkeeping and Reporting Requirements	
1. If a Method 9 test is performed, the results will be documented using an ADEM visible emissions observation report, and the cause and corrective action taken will be documented in a logbook. Each record shall be maintained for a period of 5 years.	40 CFR Part 64
2. This facility shall maintain a record of all visual checks and Method 9 tests performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.	40 CFR Part 64

Federally Enforceable Provisos**Regulations**

- | Federally Enforceable Provisos | Regulations |
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| 3. This facility shall maintain a record of all differential pressure readings performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. | 40 CFR Part 64 |
| 4. This facility shall maintain a record of all quarterly inspections of the baghouse associated with these units in order to satisfy periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. | Rule 335-3-16-.05(c) |
| 5. Monthly and 12-month rolling total records of production shall be melted tons recorded in a form suitable for inspection and these records shall be maintained for a period of five (5) years. | Rule 335-3-16-.05(c) |
| 6. The facility must submit a semi-annual compliance report to the Administrator according to the requirements in §63.10899 as applicable. | 40 CFR 63,
Subpart ZZZZZ |
| 7. The facility must submit an Annual certification and compliance report to the Administrator according to the requirements in §63.11519(b)(2) through(7) as applicable. | 40 CFR §63.11519
(b)(2) through (7)
Subpart XXXXXX |

Summary Page for Casting/Cooling Section Emission Point 4 & Emission Point 7

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
004	Sand Return Conveyor Cooling Conveyor Shorting Conveyor Side Draft Hoods Phenolic Urethane Cold Box Core Mixers (LFB25 and LFB40) and associated sand mixing equipment controlled by the casting/cooling baghouse (BH4)	PM	The lesser of 0.75 lb/hr, (0.40 tpy), or the allowable set by 17.31(P) ^{0.16}	SIP ADEM Admin. Code R. 335-3-4-.04
007	Phenolic Urethane Cold Box Core Mixer (LFB40) may be controlled by (BH-7) when casting/cooling section not operating			Rule 335-3-14-.04 (Anti-PSD)
004	Sand Return Conveyor Cooling Conveyor Shorting Conveyor Side Draft Hoods Phenolic Urethane Cold Box Core Mixer (LFB25 and LFB40) and associated sand mixing equipment controlled by the casting/cooling baghouse (BH4)	PM-10	Combined PM-10 lb/ton limit 0.75 lb/hr (0.40 tpy)	Rule 335-3-14-.04 (Anti-PSD)
007	Phenolic Urethane Cold Box Core Mixer (LFB40) may be controlled by (BH-7) when casting/cooling section not operating			
004	Sand Return Conveyor Cooling Conveyor Shorting Conveyor Side Draft Hoods Phenolic Urethane Cold Box Core Mixer (LFB25 and LFB40) and associated sand mixing equipment controlled by the casting/cooling baghouse (BH4)	Opacity	(see general proviso 29)	SIP ADEM Admin. Code R. 335-3-4-.01(1)
007	Phenolic Urethane Cold Box Core Mixer (LFB40) may be controlled by (BH-7) when casting/cooling section not operating			

Note: The Laempke LFB40 Phenolic Urethane Cold box Core Mixer and associated equipment cannot be operated without either Baghouse 4 (BH-4) or Donaldson Torit Baghouse 7 (BH-7). The larger baghouse (BH-4) **must** operate when the entire line is in operation.

Provisos for Casting/Cooling Section (Emission Point 4) and (Emission Point 7)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03 "Major Source Operating Permits."	Rule 335-3-16-.03
2. For particulate matter emissions, this source is subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring" to include General Proviso No. 33.	40 CFR Part 64
3. This source has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"	Rule 335-3-14-.04
Emission Standards	
1. This source is subject to requirements listed in the General Permit Provisos, including general provisos 29 and 31.	335-3-4-.01 335-3-4-.04
2. Particulate matter emissions from this shall not exceed 0.75 lb/hr (0.40 tpy) or the lesser of process weight allowable as defined by rule 335-3-4-.04. PM-10 emissions shall not exceed 0.75 lb/hr (0.40 tpy).	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR Part 60 (latest edition),, Appendix A, shall be used to determine compliance with the applicable particulate matter emissions standard and combined lb/ton limits.	Rule 335-3-1-.05
2. Method 201 or an alternative approved by the Department as found in Appendix A of 40 CFR Part 60 (latest edition), shall be used to determine compliance with the applicable PM 10 standards and combined lb/ton limits.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine compliance with the applicable opacity standard.	Rule 335-3-1-.05
Emission Monitoring	
1. Reference the Appendix for the monitoring requirements for 40 CFR Part 64, "Compliance Assurance Monitoring."	40 CFR Part 64

Federally Enforceable Provisos

Regulations

2. This facility shall perform a quarterly inspection of the baghouse to verify proper operation. The following activities shall be performed:
- (a) Once per quarter check hopper, fan and cleaning cycle for proper operation
 - (b) Once per quarter perform a visual check of all hoods and ductwork
 - (c) Record any repairs or observed problems.

Recordkeeping and Reporting Requirements

- 1. If a Method 9 test is performed, the results will be documented using an ADEM visible emissions observation report, and the cause and corrective action taken will be documented in a logbook. Each record shall be maintained for a period of 5 years.
- 2. This facility shall maintain a record of all visual checks and Method 9 tests performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.
- 3. This facility shall maintain a record of all differential pressure readings performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.
- 4. This facility shall maintain a record of all quarterly inspections of the baghouse associated with these units in order to satisfy periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.

Rule 335-3-16-.05

40 CFR Part 64

40 CFR Part 64

40 CFR Part 64

Rule 335-3-16-.05(c)

Summary Page for Coating/Painting Section

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
N/A	The coating/painting operation would encompass the following painting operations: hydrant, small valve, large valve, dip, and touch up coating/painting operations.	HAPs	Facility Wide HAP Limit 9.5 tons per year for any single HAP and 24.5 tons per year for any combination of HAPs Coating and Painting 12.84 tons per year	40 CFR 63.3881 (MACT Avoidance)
N/A	The coating/painting operation would encompass the following painting operations: hydrant, small valve, large valve, dip, and touch up coating/painting operations.	VOC	N/A	N/A

Provisos for Coating/Painting Section

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03 "Major Source Operating Permits."	Rule 335-3-16-.03
2. This source has an enforceable limit in order to prevent it from being subject to the provisions of 40 CFR Part 63 Subpart MMMM.	40 CFR Part 63
3. This source has an enforceable limit in order to prevent it from being subject to the provisions of 40 CFR Part 63 Subpart EEEEE.	40 CFR Part 63
Emission Standards	
1. This source is subject to requirements listed in the General Permit Provisos, including general provisos 29 and 31.	335-3-4-.01 335-3-4-.04
2. This source is subject to a facility wide emissions limit for HAPs. The HAPs limit shall not exceed 9.5 tons per year for any single HAP and 24.5 tons per year for any combination of HAPs in order to prevent it from being subject to the provisions of 40 CFR Part 63 Subpart MMMM.	40 CFR 63.3881 (MACT Avoidance)
3. This source emissions of HAPs from coating and painting shall not exceed 12.84 Tons in any consecutive rolling 12-month period. If the emissions of HAPs exceed this limit, then ADEM shall be notified in writing within 10 days of the exceedance.	40 CFR 63.3881 (MACT Avoidance)
Compliance and Performance Test Methods and Procedures	
1. Method 24 of 40 CFR Part 60 (Latest Edition), Appendix A, shall be used to determine compliance with the applicable HAP limits or by a method approved in writing by ADEM in advance of its use.	Rule 335-3-1-.05
Emission Monitoring	
1. HAPs shall be monitored by keeping a 12 month rolling total of HAP content of paints/coatings used monthly.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
Recordkeeping and Reporting Requirements	
<p>1. This facility shall maintain a record of HAPs that contain the following information:</p> <ul style="list-style-type: none"> (a) The type and quantity of each coating used each calendar month. (b) The HAP content by weight of each coating used as determined by EPA Reference Method 24 or by a method approved in writing by ADEM in advance of its use. (c) The amount of HAPs as emitted each calendar month expressed as units of pounds and tons. (d) The consecutive 12 month rolling total of HAPs emitted in units of pounds and tons. 	Rule 335-3-16-.05(c)
<p>2. This facility shall maintain a record of VOCs that contain the following information:</p> <ul style="list-style-type: none"> (a) The type and quantity of each coating used each calendar month. (b) The VOC content by weight of each coating used as determined by EPA Reference Method 24 or by a method approved in writing by ADEM in advance of its use. (c) The amount of VOCs as emitted each calendar month expressed as units of pounds and tons. (d) The consecutive 12 month rolling total of VOCs emitted in units of pounds and tons. 	Rule 335-3-16-.05(c)
<p>3. This facility shall keep accurate and understandable records of HAP consumption which records at least the last five years of data. The data will be maintained in a permanent form suitable for inspection and be available immediately upon request.</p>	Rule 335-3-16-.05(c)

Summary Page for Core Making Section Emission Point 5

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
005	Packed Bed Scrubber for Core Making	VOCs	N/A	N/A
005	Packed Bed Scrubber Core Making	PM	N/A	N/A

Provisos for Core Making (Emission Point 5)

Federally Enforceable Provisos	Regulations
<p>Applicability</p> <p>1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03 "Major Source Operating Permits."</p>	<p>Rule 335-3-16-.03</p>
<p>Emission Standards</p> <p>1. This source must use Dimethyl Isopropylamine (DMIPA) as a catalyst.</p>	<p>335-3-4-.01 335-3-4-.04</p>
<p>Compliance and Performance Test Methods and Procedures</p> <p>1. Method 18 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine the amount of VOCs.</p>	<p>Rule 335-3-16-.05</p>
<p>Emission Monitoring</p> <p>1. This source must daily monitor pH and column differential pressure.</p> <p>2. The pH shall not exceed 4.50.</p> <p>3. The column differential pressure shall be in the range 0.1 to 2 inches of water.</p>	<p>Rule 335-3-16-.05</p> <p>Rule 335-3-16-.05</p> <p>Rule 335-3-16-.05</p>
<p>Excessive Pressure Packing – Check for mineral or other particulate deposit. Mesh Pad on top of mist eliminator – Check for mineral or other particulate deposit. Liquid flow rate should be adjusted lower pressure.</p>	
<p>Low Pressure Fan damper – setting changed from optimum liquid flow rate should be adjusted to fix low pressure.</p>	
<p>Recordkeeping and Reporting Requirements</p> <p>1. This facility shall keep accurate and understandable records of pH and column differential pressure which records at least the last five years of data. The data will be maintained in a form suitable for inspection and be available immediately upon request.</p>	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Casting/Cleaning Section Emission Point 6

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
006	Accumulation Conveyor, Weigh Feeder, DISA Shotblast 10 Single Wheel Stand Grinders with ten Cleaning Booths Waste Sand Conveyor, Metal Recycle Conveyor Controlled by Baghouse (BH5).	PM	The lesser of 17.82 lb/hr (9.43 tpy), or the allowable set by 17.31(P) ^{0.16}	SIP 335-3-4-.04 Rule 335-3-14-.04 (Anti-PSD)
006	Accumulation Conveyor, Weigh Feeder, DISA Shotblast 10 Single Wheel Stand Grinders with ten Cleaning Booths Waste Sand Conveyor, Metal Recycle Conveyor Controlled by Baghouse (BH5).	PM-10	Combined PM-10 lb/ton limit 16.88 lb/hr (8.94 tpy)	Rule 335-3-14-.04 (Anti-PSD)
006	Accumulation Conveyor, Weigh Feeder, DISA Shotblast 10 Single Wheel Stand Grinders with ten Cleaning Booths Waste Sand Conveyor, Metal Recycle Conveyor Controlled by Baghouse (BH5).	Opacity	(see general proviso 29)	SIP ADEM Admin. Code R. 335-3-4-.01(1)

Provisos for Casting/Cleaning Section (Emission Point 6)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03 "Major Source Operating Permits."	Rule 335-3-16-.03
2. For particulate matter emissions, this source is subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring" to include General Proviso No. 33.	40 CFR Part 64
3. This source has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"	Rule 335-3-14-.04
Emission Standards	
1. This source is subject to requirements listed in the General Permit Provisos, including general provisos 29 and 31.	335-3-4-.01 335-3-4-.04
2. Particulate matter emissions from this shall not exceed 17.82 lb/hr (9.43 tpy) of casting or the lesser of process weight allowable as defined by rule 335-3-4-.04. PM-10 emissions shall not exceed 16.88 lb/hr (8.94 tpy) of castings.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine compliance with the applicable particulate matter emissions standard and combined lb/ton limits.	Rule 335-3-1-.05
2. Method 201 or an alternative approved by the Department as found in Appendix A of 40 CFR Part 60 (latest edition), shall be used to determine compliance with the applicable PM 10 standards and combined lb/ton limits.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60 (latest edition), Appendix A, shall be used to determine compliance with the applicable opacity standard.	Rule 335-3-1-.05
Emission Monitoring	
1. Reference the Appendix for the monitoring requirements for 40 CFR Part 64, "Compliance Assurance Monitoring."	40 CFR Part 64

Federally Enforceable Provisos

Regulations

2. This facility shall perform a quarterly inspection of the baghouse to verify proper operation. The following activities shall be performed:
- (a) Once per quarter check hopper, fan and cleaning cycle for proper operation
 - (b) Once per quarter perform a visual check of all hoods and ductwork
 - (c) Record any repairs or observed problems.

Recordkeeping and Reporting Requirements

- 1. If a Method 9 test is performed, the results will be documented using an ADEM visible emissions observation report, and the cause and corrective action taken will be documented in a logbook. Each record shall be maintained for a period of 5 years.
- 2. This facility shall maintain a record of all visual checks and Method 9 tests performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.
- 3. This facility shall maintain a record of all differential pressure readings performed to satisfy the requirements of Compliance Assurance Monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.
- 4. This facility shall maintain a record of all quarterly inspections of the baghouse associated with these units in order to satisfy periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.

Rule 335-3-16-.05

40 CFR Part 64

40 CFR Part 64

40 CFR Part 64

Rule 335-3-16-.05(c)

APPENDIX

Compliance Assurance Monitoring Requirements

CAM Plan for Molding Section Emission Point 1

	Indicator 1	Indicator 2
I. Indicator	Visible Emission	Pressure Drop
Measurement Approach	Visible emissions will be monitored daily.	Monitor and record the pressure drop across the baghouse.
II. Indicator Range	<p>Visible emissions shall be < 10%.</p> <p>An excursion exists when any visual check results in instantaneous visible emissions greater than 10% opacity. If visible emissions in excess of 10% opacity are noted, and are not corrected within a period of 1 hour, a Method 9 must be performed (for at least twelve minutes) within 4 hours of the initial check.</p>	<p>Pressure drop should be maintained at $1 \leq P \leq 10$ inches of water.</p> <p>An excursion is any value less than 1 and greater than 10 inches of water.</p>
III. Performance Criteria		
Data Representativeness	<p>Measurements are being made at the emission point.</p> <p>(Baghouse Exhaust)</p>	Measurements are being made at the baghouse inlet and outlet with a differential pressure gauge.
Verification of Operation Status	Not Applicable	Not Applicable
QA/QC Practices and Criteria	The Observer will be a Method 9 trained observer certified every 6 months.	Not Applicable
Monitoring Frequency	Visual checks shall be performed at least once per day.	The pressure drop will be monitored daily.
Data Collection Procedures	A visible emissions assessment of the baghouse stack and/or a Method 9 will be recorded with the time, date, and name of the observer.	The pressure differential will be recorded with the time, date, and name of the observer.
Averaging Period	<p>Visual Check: Instantaneous</p> <p>Method 9: 6-Minute Average</p>	Instantaneous

<p>Corrective Actions for Indicators</p>	<p>Visible Emissions > 10%</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>	<p>For Excessive Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags and pulse tubing for dust caking, dampness, seating, structural integrity or oil</p> <p>Replace bag(s) or pulse tubing as needed</p> <p>Low Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>
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CAM Plan for Melting Section Emission Point 3

	Indicator 1	Indicator 2
I. Indicator	Visible Emission	Pressure Drop
Measurement Approach	Visible emissions will be monitored daily.	Monitor and record the pressure drop across the baghouse.
II. Indicator Range	<p>Visible emissions shall be < 10%.</p> <p>An excursion exists when any visual check results in instantaneous visible emissions greater than 10% opacity. If visible emissions in excess of 10% opacity are noted, and are not corrected within a period of 1 hour, a Method 9 must be performed (for at least twelve minutes) within 4 hours of the initial check.</p>	<p>Pressure drop should be maintained at $1 \leq P \leq 10$ inches of water.</p> <p>An excursion is any value less than 1 and greater than 10 inches of water.</p>
III. Performance Criteria		
Data Representativeness	<p>Measurements are being made at the emission point.</p> <p>(Baghouse Exhaust)</p>	Measurements are being made at the baghouse inlet and outlet with a differential pressure gauge.
Verification of Operation Status	Not Applicable	Not Applicable
QA/QC Practices and Criteria	The Observer will be a Method 9 trained observer certified every 6 months.	Not Applicable
Monitoring Frequency	Visual checks shall be performed at least once per day.	The pressure drop will be monitored daily.
Data Collection Procedures	A visible emissions assessment of the baghouse stack and/or a Method 9 will be recorded with the time, date, and name of the observer.	The pressure differential will be recorded with the time, date, and name of the observer.
Averaging Period	<p>Visual Check: Instantaneous</p> <p>Method 9: 6-Minute Average</p>	Instantaneous

<p>Corrective Actions for Indicators</p>	<p>Visible Emissions > 10%</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>	<p>For Excessive Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags and pulse tubing for dust caking, dampness, seating, structural integrity or oil</p> <p>Replace bag(s) or pulse tubing as needed</p> <p>Low Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>
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CAM Plan for Casting/Cooling Section Emission Point 4

	Indicator 1	Indicator 2
I. Indicator	Visible Emission	Pressure Drop
Measurement Approach	Visible emissions will be monitored daily.	Monitor and record the pressure drop across the baghouse.
II. Indicator Range	<p>Visible emissions shall be < 10%.</p> <p>An excursion exists when any visual check results in instantaneous visible emissions greater than 10% opacity. If visible emissions in excess of 10% opacity are noted, and are not corrected within a period of 1 hour, a Method 9 must be performed (for at least twelve minutes) within 4 hours of the initial check.</p>	<p>Pressure drop should be maintained at $1 \leq P \leq 10$ inches of water.</p> <p>An excursion is any value less than 1 and greater than 10 inches of water.</p>
III. Performance Criteria		
Data Representativeness	<p>Measurements are being made at the emission point.</p> <p>(Baghouse Exhaust)</p>	Measurements are being made at the baghouse inlet and outlet with a differential pressure gauge.
Verification of Operation Status	Not Applicable	Not Applicable
QA/QC Practices and Criteria	The Observer will be a Method 9 trained observer certified every 6 months.	Not Applicable
Monitoring Frequency	Visual checks shall be performed at least once per day.	The pressure drop will be monitored daily.
Data Collection Procedures	A visible emissions assessment of the baghouse stack and/or a Method 9 will be recorded with the time, date, and name of the observer.	The pressure differential will be recorded with the time, date, and name of the observer.
Averaging Period	<p>Visual Check: Instantaneous</p> <p>Method 9: 6-Minute Average</p>	Instantaneous

<p>Corrective Actions for Indicators</p>	<p>Visible Emissions > 10%</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>	<p>For Excessive Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags and pulse tubing for dust caking, dampness, seating, structural integrity or oil</p> <p>Replace bag(s) or pulse tubing as needed</p> <p>Low Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>
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CAM Plan for Casting Cleaning Section Emission Point 6

	Indicator 1	Indicator 2
I. Indicator	Visible Emission	Pressure Drop
Measurement Approach	Visible emissions will be monitored daily.	Monitor and record the pressure drop across the baghouse.
II. Indicator Range	Visible emissions shall be < 10%. An excursion exists when any visual check results in instantaneous visible emissions greater than 10% opacity. If visible emissions in excess of 10% opacity are noted, and are not corrected within a period of 1 hour, a Method 9 must be performed (for at least twelve minutes) within 4 hours of the initial check.	Pressure drop should be maintained at $1 \leq P \leq 10$ inches of water. An excursion is any value less than 1 and greater than 10 inches of water.
III. Performance Criteria Data Representativeness	Measurements are being made at the emission point. (Baghouse Exhaust)	Measurements are being made at the baghouse inlet and outlet with a differential pressure gauge.
Verification of Operation Status	Not Applicable	Not Applicable
QA/QC Practices and Criteria	The Observer will be a Method 9 trained observer certified every 6 months.	Not Applicable
Monitoring Frequency	Visual checks shall be performed at least once per day.	The pressure drop will be monitored daily.
Data Collection Procedures	A visible emissions assessment of the baghouse stack and/or a Method 9 will be recorded with the time, date, and name of the observer.	The pressure differential will be recorded with the time, date, and name of the observer.
Averaging Period	Visual Check: Instantaneous Method 9: 6-Minute Average	Instantaneous

<p>Corrective Actions for Indicators</p>	<p>Visible Emissions > 10%</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>	<p>For Excessive Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags and pulse tubing for dust caking, dampness, seating, structural integrity or oil</p> <p>Replace bag(s) or pulse tubing as needed</p> <p>Low Pressure</p> <p>Check BPAC monitor/ control system</p> <p>Check using manual differential pressure gauge</p> <p>Check the compressed air system</p> <p>Inspect upper portions of the filter bags for holes, seating, structural integrity, etc</p> <p>Inspect tube sheets</p> <p>Replace bag(s) as needed</p> <p>Inspect the ductwork to and from the baghouse for air leaks or blockage</p> <p>Check baghouse for holes</p>
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