MAJOR SOURCE OPERATING PERMIT

Permittee:	**ICD Melting Solutions LLC**
Facility Name:	**ICD Melting Solutions LLC**
Facility No.:	711-0023
Location:	Albertville, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, 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:	**TBD, 2022**
Expiration Date:	**TBD, 2027**

Alabama Department of Environmental Management

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1. Transfer	
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.	Rule 335-3-16-.02(6)
2. Renewals	
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.	Rule 335-3-16-.12(2)
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.	
3. Severability Clause	
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, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.	Rule 335-3-16-.05(e)
4. Compliance	
(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.	Rule 335-3-16-.05(f)
(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.	Rule 335-3-16-.05(g)

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5. Termination for Cause	
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 planned changes or anticipated noncompliance will not stay any permit condition.	Rule 335-3-16-.05(h)
6. Property Rights	
The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.	Rule 335-3-16-.05(i)
7. Submission of Information	
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.	Rule 335-3-16-.05(j)
8. Economic Incentives, Marketable Permits, and Emissions Trading	
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.	Rule 335-3-16-.05(k)
9. Certification of Truth, Accuracy, and Completeness:	
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. 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.	Rule 335-3-16-.07(a)
10. Inspection and Entry	
Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized	Rule 335-3-16-.07(b)

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representatives of the Alabama Department of Environmental Management and EPA to conduct the following: (a) Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (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; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.	
11. <u>Compliance Provisions</u> (a) The Permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The Permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.	Rule 335-3-16-.07(c)
12. <u>Compliance Certification</u> A compliance certification shall be submitted annually within 60 days of the anniversary date of issuance of this permit. (a) The compliance certification shall include the following: (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status;	Rule 335-3-16-.07(e)

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(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 Recordkeeping Requirements); (4) Whether compliance has been continuous or intermittent; (5) Such other facts as the Department may require to determine the compliance status of the source; (b) The compliance certification shall be submitted to: Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to: Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303	
13. <u>Reopening for Cause</u> Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit: (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.	Rule 335-3-16-.13(5)

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(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.	
14. <u>Additional Rules and Regulations</u>	
This permit is issued on the basis of Rules and Regulations existing 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.	§22-28-16(d), Code of Alabama 1975, as amended
15. <u>Equipment Maintenance or Breakdown</u>	
(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for scheduled maintenance, the intent to shut down shall be reported to the Department at least 24 hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:	Rule 335-3-1-.07(1),(2)
(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.	

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(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 will be notified when the breakdown has been corrected.	
16. Operation of Capture and Control Devices	
All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a 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.	§22-28-16(d), Code of Alabama 1975, as amended
17. Obnoxious Odors	
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.	Rule 335-3-1-.08
18. Fugitive Dust	
(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.	Rule 335-3-4-.02
(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:	
(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;	

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(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 to the road surface at any time the road surface is found to allow the creation of dust emissions; or Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.	
19. <u>Additions and Revisions</u> Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.	Rule 335-3-16-.13 and .14
20. <u>Recordkeeping Requirements</u> (a) Records of required monitoring information of the source shall include the following: (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. (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	Rule 335-3-16-.05(c)2

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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	
21. Reporting Requirements	
(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).	Rule 335-3-16-.05(c)3
(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.	
22. Emission Testing Requirements	
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.	Rule 335-3-1-.05(3) Rule 335-3-1-.04(1)
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 regulations.	
To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:	
(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, hoe many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.	Rule 335-3-1-.04
(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	

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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. 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. 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.	Rule 335-3-1-.04
23. Payment of Emission Fees Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code r. 335-1-7-.04.	Rule 335-1-7-.04
24. Other Reporting and Testing Requirements 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 and regulations. The Department may require emission testing at any time.	Rule 335-3-1-.04(1)
25. Title VI Requirements (Refrigerants) 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. 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.	40 CFR Part 82, Subpart F

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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.	
26. Chemical Accidental Prevention Provisions	
If a chemical listed in Table 1 of 40 CFR 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then: (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a) or, (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.	40 CFR Part 68
27. Display of Permit	
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 make the permit readily available for inspection by any or all persons who may request to see it.	Rule 335-3-14-.01(1)(d)
28. Circumvention	
No person shall cause or permit the installation or use of any device or any means which, without resulting in the 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.	Rule 335-3-1-.10
29. Visible Emissions	
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	Rule 335-3-4-.01(1)

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40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.	
30. <u>Fuel-Burning Equipment</u>	
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 Rule 335-3-4-.03.	Rule 335-3-4-.03
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 Rule 335-3-5-.01.	Rule 335-3-5-.01
31. <u>Process Industries – General</u>	
Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.04.	Rule 335-3-4-.04
32. <u>Averaging Time for Emission Limits</u>	
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.	Rule 335-3-1-.05
23. <u>Compliance Assurance Monitoring (CAM)</u>	
Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.	
(a) Operation of Approved Monitoring	40 CFR 64.7
(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).	
(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.	

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(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.	
(4) Response to excursions or exceedances. (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 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. (b) Determination of whether the owner or operator has used acceptable procedures in response to an	

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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.	
(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.	
(b) Quality Improvement Plan (QIP) Requirements	40 CFR 64.8
(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.	
(2) Elements of a QIP:	

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A. The owner or operator shall maintain a written QIP, if required, and have it available for inspection. 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: (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). (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. (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: 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.	

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(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.	
(c) Reporting and Recordkeeping Requirements	40 CFR 64.9
(1) General reporting requirements	
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.	
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:	
(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	

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the likelihood of similar levels of excursions or exceedances occurring. (2) General recordkeeping requirements. 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). 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 media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.	
(d) Savings Provisions (1) Nothing in this part shall: 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	40 CFR 64.10

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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. 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. 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.	

Summary Page for Two (2) Electric Arc Furnaces with Baghouses

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 & 002	Electric Arc Furnace #1 & Electric Arc Furnace #2	PM	The allowable set by $3.59(P)^{0.62}$	Rule 335-3-4-.04(1)
001 & 002	Electric Arc Furnace #1 & Electric Arc Furnace #2	PM	12 mg/dscm (0.0052 gr/dscf)	40 CFR §60.272(a)(1)
001 & 002	Electric Arc Furnace #1 & Electric Arc Furnace #2	PM	0.8 lb/ton steel produced or 0.0052 gr/dscf	40 CFR §63.10686(c)(1)
001 & 002	Electric Arc Furnace #1 & Electric Arc Furnace #2	Opacity	(see general proviso 29)	Rule 335-3-4-.01(1)
001 & 002	Electric Arc Furnace #1 & Electric Arc Furnace #2	Opacity	3% from EAF	40 CFR §60.272(a)(2)
001 & 002	Electric Arc Furnace #1 & Electric Arc Furnace #2	Opacity	6% from shop due to EAF	40 CFR §60.272(a)(3)
Fugitives	Electric Arc Furnace #1 & Electric Arc Furnace #2	Opacity	10% from Dust Handling Equipment	40 CFR §60.272(b)
	Miscellaneous Facility Wide	N/A	No motor vehicle scrap	40 CFR Part 63, Subpart YYYYY
	Miscellaneous Facility Wide	N/A	No motor vehicle scrap & No binder catalyst with methanol	40 CFR Part 63, Subpart ZZZZZ

Note: The Two Electric Arc Furnaces each have an individual baghouse stack and only one operates at a time.

Provisos for Two (2) Electric Arc Furnaces with Baghouses

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Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits"*.	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, *"Control of Particulate Emissions – Visible Emissions"*.	Rule 335-3-4-.01
3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.02, *"Control of Particulate Emissions – Fugitive Dust and Fugitive Emissions"*.	Rule 335-3-4-.02
4. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04, *"Control of Particulate Emissions – Process Industries – General"*.	Rule 335-3-4-.04
5. These sources are subject to the applicable requirements of 40 CFR Part 60, Subpart AA, *"Standards of Performance for Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974, and On or Before August 17, 1983"*.	Rule 335-3-10-.02(27) 40 CFR §60.270(b)
6. These sources are subject to the applicable requirements of 40 CFR Part 60, Subpart A, *"General Provisions"*.	Rule 335-3-10-.02(1) 40 CFR §60.1(a)
7. This facility is subject to the applicable requirements of 40 CFR Part 63, Subpart YYYYY, *"National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Foundries"*.	Rule 335-3-11-.06(128) 40 CFR §63.10680(a), (b)(1)
8. This facility is subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZZ, *"National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources"*.	Rule 335-3-11-.06(129) 40 CFR §63.10880(a), (b)(1)
9. This facility is subject to the applicable requirements of 40 CFR Part 63, Subpart A, *"General Provisions"*, as specified in Table 1 of 40 CFR Part 63, Subpart YYYYY and in 40 CFR Part 63, Subpart ZZZZZ.	Rule 335-3-11-.06(1) 40 CFR §63.10690 40 CFR §63.10890(j)
10. For particulate matter emissions, these sources are subject to the applicable requirements of 40 CFR Part 64, *"Compliance Assurance Monitoring"*.	40 CFR Part 64

Federally Enforceable Provisos	Regulations
Emission Standards	
1. Particulate emissions from the stacks associated with the Electric Arc Furnaces shall not exceed the allowable as set by ADEM Admin. Code r. 335-3-4-.04(1).	Rule 335-3-4-.04(1)
2. Particulate matter emissions from the Electric Arc Furnaces control device stacks shall not exceed 12 mg/dscm (0.0052 gr/dscf).	40 CFR §60.272(a)(1) 40 CFR §63.10686(c)(1)
3. Particulate matter emissions from the Electric Arc Furnaces control device stacks shall not exceed 0.80 pounds per ton (lb/ton) of steel.	40 CFR §63.10686(c)(1)
4. When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape the building or equipment in such a manner and amount as to cause a nuisance or to violate any rule or regulation, the Director may order that the building or equipment in which processing, handling, and storage are done be tightly closed and ventilated in such a way that all air and gases and air or gas-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.	Rule 335-3-4-.02(3)
5. Visible emissions from these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
6. The facility shall not discharge into the atmosphere from an electric arc furnace any gases which exit from a control device and exhibit 3 percent opacity or greater.	40 CFR §60.272(a)(2)
7. The facility shall not discharge into the atmosphere from an electric arc furnace any gases which exit from a shop, due solely to operations of any EAF(s), and exhibit 6 percent opacity or greater.	40 CFR §60.272(a)(3) 40 CFR §63.10686(c)(2)
8. The facility shall not discharge into the atmosphere from dust-handling equipment any gases which exhibit 10 percent opacity or greater.	40 CFR §60.272(b)
9. The facility shall comply with the requirements for the control of contaminants from scrap in §63.10685(a) &(b) of 40 CFR Part 63, Subpart YYYYY.	40 CFR §63.10685
10. The facility shall comply with the pollution prevention management practices for metallic scrap and mercury switches in §63.10885 and binder formulations in §63.10886 of 40 CFR Part 63, Subpart ZZZZZ.	40 CFR §63.10890(a)

Federally Enforceable Provisos	Regulations
11. If the annual metal melt production exceeds 20,000 tons at any time, the facility must comply with the requirements for large foundries by the applicable dates in §63.10881(d)(1) of 40 CFR Part 63, Subpart ZZZZZ.	40 CFR §63.10890(h)
12. At all times, the facility 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.	40 CFR §63.10890(i)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05 40 CFR §60.275(e)(1) 40 CFR §63.10686(d)(1)(v)
2. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of the opacity.	Rule 335-3-1-.05 40 CFR §60.275(e)(3) 40 CFR §63.10686(d)(2)
3. Method 22 of 40 CFR Part 60, Appendix A-7 shall be used to determine the presence of fugitive emissions.	Rule 335-3-1-.05
4. If testing is required, the facility shall comply with the test methods and procedures in §60.275(a)-(j) of 40 CFR Part 60, Subpart AA.	40 CFR §60.275
5. If testing is required, the facility shall comply with the test methods and procedures in §63.10686(d)(1)-(6) of 40 CFR Part 63, Subpart YYYYY.	40 CFR §63.10686(d)
Emission Monitoring	
1. Compliance Assurance Monitoring shall be conducted in accordance with the attached Appendix.	40 CFR Part 64
2. The Permittee shall perform a weekly inspection of the baghouses to verify proper operation. The following activities shall be performed: (a) Check hopper, fan, and cleaning cycle for proper operation. (b) Check all hoods and ducts. (c) Record any repairs or observed problems.	Rule 335-3-16-.05(c)1.
3. The Permittee shall perform an annual inspection of the baghouses to verify proper operation. The following activities shall be performed:	Rule 335-3-16-.05(c)1.

Federally Enforceable Provisos	Regulations
(a) Inspect baghouse structure, access doors, door seals, and bags. (b) Perform an internal inspection of the baghouse hoppers. (c) Record any repairs or observed problems.	
4. Visible emission observations shall be conducted at least once per day for at least three 6-minute periods when the furnace is operating in the melting and refining period. All visible emissions observations shall be conducted in accordance with Method 9 of 40 CFR Part 60, Appendix A-4 by a certified visible emission observer. If visible emissions occur from more than one point, the opacity shall be recorded for any points where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of the visible emission, only one set of three 6-minute observations will be required. In that case, the Method 9 observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident.	40 CFR §60.273(c) 40 CFR Part 64
5. Shop opacity observations shall be conducted at least once per day when the furnace is operating in the meltdown and refining period. Shop opacity shall be determined as the arithmetic average of 24 or more consecutive 15-second opacity observations of emissions from the shop taken in accordance with Method 9. Shop opacity shall be recorded for any point(s) where visible emissions are observed in proximity to an affected EAF. Where it is possible to determine that a number of visible emission sites relate to only once incident of visible emissions, only one observation of shop opacity will be required. In this case, the shop opacity observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident.	40 CFR §60.273(d)
OR	
The facility shall check and record on a once-per-shift basis furnace static pressure and either: check and record the control system fan motor amperes and damper positions on a once-per-shift basis; install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood; or install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate at the control device inlet and check a record damper positions on a once-per-shift basis. The monitoring device(s) may be installed in any appropriate location in the exhaust duct such that reproducible flow rate monitoring will result. The flow rate monitoring device(s) shall have an accuracy of ±10 percent over its	40 CFR §60.274(b)

Federally Enforceable Provisos	Regulations
normal operating range and shall be calibrated according to the manufacturer's instructions.	
(a) Where emissions during any phase of the heat time are controlled by use of a direct shell evacuation system, the facility shall install, calibrate, and maintain a monitoring device that continuously records the pressure in the free space inside the EAF. The pressure shall be recorded as 15-minute integrated averages. The monitoring device may be installed in any appropriate location in the EAF or DEC duct prior to the introduction of ambient air such that reproducible results will be obtained. The pressure monitoring device shall have an accuracy of ±5 mm of water gauge over its normal operating range and shall be calibrated according to the manufacturer's instructions.	40 CFR §60.274(f)
6. A bag leak detection system must be installed and continuously operated on all single-stack fabric filters if a continuous opacity monitoring system is not installed and operated. The bag leak detection system must meet the specifications and requirements of 40 CFR §60.273(e)(1) through (8).	40 CFR §60.273(e)
7. For each bag leak detection system installed, the facility shall initiate procedures to deter the cause of all alarms within 1 hour of an alarm. The cause of the alarm must be alleviated within 3 hours of the time the alarm occurred by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to the following:	40 CFR §60.273(f)
(a) Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in particulate emissions;	
(b) Sealing off defective bags or filter media;	
(c) Replacing defective bags or filter media or otherwise repairing the control device;	
(d) Sealing off a defective baghouse compartment;	
(e) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; or	
(f) Shutting down the process producing the particulate emissions.	
8. When required to demonstrate compliance with the standards in 40 CFR §60.272(a)(3): the control system fan motor amperes and all damper positions, the volumetric flow rate through each	40 CFR §60.274(c)

Federally Enforceable Provisos	Regulations
separately ducted hood, or the volumetric flow rate at the control device inlet and all damper positions shall be determined during all periods in which a hood is operated for the purpose of the capturing emissions from the affected facility. The values of these parameters as determined during the most recent demonstration of compliance shall be maintained at the appropriate level for each applicable period. Operation at other than baseline values may be subject to the requirements of 40 CFR §60.276(a). (a) The Permittee may petition for reestablishment of these parameters if they can demonstrate that the EAF operating conditions upon which the parameters were previously established are no longer applicable.	
9. The facility shall perform monthly operational status inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and damper switches). This inspection shall include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in the ductwork, and fan erosion). Any deficiencies shall be noted and proper maintenance performed.	40 CFR §60.274(e)
10. During any performance test to determine compliance with the standards in 40 CFR §60.272(a)(3), the facility shall monitor the following information for all heats covered by the test: (a) Charge weights and materials, and tap weights and materials; (b) Heat times, including start and stop times, and a log of process operation, including periods of no operation during testing and the pressure inside an EAF when direct-shell evacuation control systems are used; (c) Control device operation log; and (d) Continuous opacity monitor or Method 9 data.	40 CFR §60.274(i)
11. The facility must install, operate, and maintain a capture system that collects the emissions from each EAF (including charging, melting, and tapping operations) and conveys the collected emissions to a control device for the removal of particulate matter.	40 CFR §63.10686(a)
Recordkeeping and Reporting Requirements	
1. All records shall be maintained in a form suitable for inspection for a period of at least five (5) years.	Rule 335-3-16-.05(c)2.

Federally Enforceable Provisos	Regulations
2. The facility shall maintain a record of all weekly and annual baghouse inspections to satisfy the requirements of periodic monitoring. This shall include all problems observed, excursions, and corrective actions take.	Rule 335-3-16-.05(c)2.
3. The results of each visible emission observation shall be documented using an ADEM visible emissions observation report, and the cause and corrective action take will be documented in a logbook.	Rule 335-3-16-.05(c)2.
4. Records shall be maintained of all six-minute periods during which the average opacity is three percent (3%) or greater. All six-minute periods during which the average opacity is three percent (3%) or greater shall indicate a period of excess emission and shall be reported semi-annually.	40 CFR §60.273(b) & (c)
5. The facility shall maintain records daily of the following information: (a) Time and duration of each charge; (b) Time and duration of each tap; (c) All flow rate data obtained under 40 CFR §60.274(b), or equivalent obtained under 40 CFR §60.274(d); and (d) All pressure data obtained under 40 CFR §60.274(f).	40 CFR §60.274(a)
6. Operation at a furnace static pressure that exceeds the value established under 40 CFR §60.274(g) and either operation of control system fan motor amperes at values exceeding ±15 percent of the value established under 40 CFR §60.274(c) or operation at flow rates lower than those established under 40 CFR §60.274(c) may be considered to be unacceptable operation and maintenance of the affected facility. Operation at such values shall be reported semiannually.	40 CFR §60.276(a)
7. If testing is required to demonstrate compliance with the standards in 40 CFR §60.272(a), the facility shall submit a report containing the information in 40 CFR §60.276(c)(1) through (22).	40 CFR §60.276(c)
8. The facility shall maintain records of all shop opacity observations made in accordance with 40 CFR §60.273(d). All shop observations in excess of the emission standard in 40 CFR §60.272(a)(3) shall indicate a period of excess emission, and shall be reported semiannually according to 40 CFR §60.7(c).	40 CFR §60.276(d)

Federally Enforceable Provisos	Regulations
9. The facility shall maintain the following records for each bag leak detection system: (a) Records of the bag leak detection system output; (b) Records of bag leak detection system adjustments, including the date and time of the adjustment the initial bag leak detection system settings, and the final bag leak detection system settings; and (c) An identification of the date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, if procedures were initiated within 1 hour of the alarm, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and if the alarm was alleviated within 3 hours of the alarm.	40 CFR §60.276(e)
10. The facility shall comply with the recordkeeping and reporting requirements in §63.10685(c) and §63.10686(e) of 40 CFR Part 63, Subpart YYYYY.	40 CFR §63.10685(c) 40 CFR §63.10686(e)
11. The facility must maintain files of all information (including all reports and notifications) for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site.	40 CFR §63.10890(d)
12. The facility must maintain records of the information specified in §63.10890(e)(1) through (7) of 40 CFR Part 63, Subpart ZZZZZ according to the requirements in 40 CFR §63.10(b)(1). (a) The facility shall maintain records of the annual quantity and composition of each HAP-containing chemical binder or coating material used to make molds and cores. (b) The facility shall maintain records of metal melt production for each calendar year.	40 CFR §63.10890(e) 40 CFR §63.10890(e)(6) 40 CFR §63.10890(e)(7)
13. The facility must submit semiannual compliance reports according to the requirements in 40 CFR §63.10899(c), (f), and (g), except that 40 CFR §63.10899(c)(5) and (7) do not apply.	40 CFR §63.10890(f)

Summary Page for AOD Vessel with shared Baghouse

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	Argon-Oxygen Decarburization (AOD)	PM	The allowable set by $3.59(P)^{0.62}$	Rule 335-3-4-.04(1)
003	Argon-Oxygen Decarburization (AOD)	PM	12 mg/dscm (0.0052 gr/dscf)	40 CFR §60.272a(a)(1)
003	Argon-Oxygen Decarburization (AOD)	PM	0.8 lb/ton steel produced or 0.0052 gr/dscf	40 CFR §63.10686(c)(1)
003	Argon-Oxygen Decarburization (AOD)	Opacity	(see general proviso 29)	Rule 335-3-4-.01(1)
003	Argon-Oxygen Decarburization (AOD)	Opacity	3% from AOD	40 CFR §60.272a(a)(2)
003	Argon-Oxygen Decarburization (AOD)	Opacity	6% from shop due to AOD	40 CFR §60.272a(a)(3)
Fugitives	Argon-Oxygen Decarburization (AOD)	Opacity	10% from Dust Handling Equipment	40 CFR §60.272a(b)
	Miscellaneous Facility Wide	N/A	No motor vehicle scrap	40 CFR Part 63, Subpart YYYYY
	Miscellaneous Facility Wide	N/A	No motor vehicle scrap & No binder catalyst with methanol	40 CFR Part 63, Subpart ZZZZZ

Note: The AOD shares a baghouse with the Abrasive Blasting.

Provisos for AOD Vessel with shared Baghouse

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 is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, *"Control of Particulate Emissions – Visible Emissions"*.	Rule 335-3-4-.01
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.02(3), *"Control of Particulate Emissions – Fugitive Dust and Fugitive Emissions"*.	Rule 335-3-4-.02
4. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04, *"Control of Particulate Emissions – Process Industries – General"*.	Rule 335-3-4-.04
5. This source is subject to the applicable requirements of 40 CFR Part 60, Subpart AAa, *"Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983"*.	Rule 335-3-10-.02(27)(a) 40 CFR §60.270a(b)
6. This source is subject to the applicable requirements of 40 CFR Part 60, Subpart A, *"General Provisions"*.	Rule 335-3-10-.02(1) 40 CFR §60.1(a)
7. This source is subject to the applicable requirements of 40 CFR Part 63, Subpart YYYYY, *"National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Foundries"*.	Rule 335-3-11-.06(128) 40 CFR §63.10680(a), (b)(1)
8. This source is subject to the applicable requirements of 40 CFR Part 63, Subpart A, *"General Provisions"*, as specified in Table 1 of 40 CFR Part 63, Subpart YYYYY.	Rule 335-3-11-.06(1) 40 CFR §63.10690
9. For particulate matter emissions, this source is subject to the applicable requirements of 40 CFR Part 64, *"Compliance Assurance Monitoring"*.	40 CFR Part 64
Emission Standards	
1. Particulate emissions from the stack associated with the AOD Vessel shall not exceed the allowable as set by Rule 335-3-4-.04(1).	Rule 335-3-4-.04(1)
2. Particulate matter emissions from the AOD Vessel control device shall not exceed 12 mg/dscm (0.0052 gr/dscf).	40 CFR §60.272a(a)(1) 40 CFR §63.10686(c)(1)

Federally Enforceable Provisos	Regulations
3. Particulate matter emissions from the AOD Vessel control device shall not exceed 0.80 pounds per ton (lb/ton) of steel.	40 CFR §63.10686(c)(1)
4. When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape the building or equipment in such a manner and amount as to cause a nuisance or to violate any rule or regulation, the Director may order that the building or equipment in which processing, handling, and storage are done be tightly closed and ventilated in such a way that all air and gases and air or gas-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.	Rule 335-3-4-.02(3)
5. Visible emissions from this unit shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
6. The facility shall not discharge into the atmosphere from an AOD vessel any gases which exit from a control device and exhibit 3 percent opacity or greater.	40 CFR §60.272a(a)(2)
7. The facility shall not discharge into the atmosphere from an AOD vessel any gases which exit from a shop, and due solely to operations of any EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.	40 CFR §60.272a(a)(3) 40 CFR §63.10686(c)(2)
8. The facility shall not discharge into the atmosphere from dust-handling equipment any gases which exhibit 10 percent opacity or greater.	40 CFR §60.272a(b)
9. At all times, the facility 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.	40 CFR §63.10890(i)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05 40 CFR §60.275a(e)(1) 40 CFR §63.10686(d)(1)(v)
2. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of the opacity.	Rule 335-3-1-.05 40 CFR §60.275a(e)(3) 40 CFR §63.10686(d)(2)
3. Method 22 of 40 CFR Part 60, Appendix A-7 shall be used to determine the presence of fugitive emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
4. If testing is required, the facility shall comply with the test methods and procedures in §60.275a(a)-(j) of 40 CFR Part 60, Subpart AAa.	40 CFR §60.275a
5. If testing is required, the facility shall comply with the test methods and procedures in §63.10686(d)(1)-(6) of 40 CFR Part 63, Subpart YYYYY.	40 CFR §63.10686(d)
Emission Monitoring	
1. Compliance Assurance Monitoring shall be conducted in accordance with the attached Appendix.	40 CFR Part 64
2. The Permittee shall perform a weekly inspection of the baghouses to verify proper operation. The following activities shall be performed: (a) Check hopper, fan, and cleaning cycle for proper operation. (b) Check all hoods and ducts. (c) Record any repairs or observed problems.	Rule 335-3-16-.05(c)1.
3. The Permittee shall perform an annual inspection of the baghouse to verify proper operation. The following activities shall be performed: (a) Inspect baghouse structure, access doors, door seals, and bags. (b) Perform an internal inspection of the baghouse hoppers. (c) Record any repairs or observed problems.	Rule 335-3-16-.05(c)1.
4. No continuous monitoring system shall be required on any control device serving the dust-handling system.	40 CFR §60.273a(b)
5. Visible emission observations of the stack associated with the AOD Vessel shall be conducted at least once per day for at least three 6-minute periods when the furnace is operating in the melting and refining period. All visible emissions observations shall be conducted in accordance with Method 9 of 40 CFR Part 60, Appendix A-4 by a certified visible emission observer. If visible emissions occur from more than one point, the opacity shall be recorded for any points where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of the visible emission, only one set of three 6-minute observations will be required. In that case, the Method 9 observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident.	40 CFR §60.273a(c)

Federally Enforceable Provisos	Regulations
6. A bag leak detection system must be installed and continuously operated on all single-stack fabric filters if a continuous opacity monitoring system is not installed and operated. The bag leak detection system must meet the specifications and requirements of 40 CFR §60.273a(e)(1) through (8).	40 CFR §60.273a(e)
7. For each bag leak detection system installed, the facility shall initiate procedures to determine the cause of all alarms within 1 hour of an alarm. The cause of the alarm must be alleviated within 3 hours of the time the alarm occurred by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to the following: (a) Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in particulate emissions; (b) Sealing off defective bags or filter media; (c) Replacing defective bags or filter media or otherwise repairing the control device; (d) Sealing off a defective baghouse compartment; (e) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; or (f) Shutting down the process producing the particulate emissions.	40 CFR §60.273a(f)
8. When required to demonstrate compliance with the standards in 40 CFR §60.272a(a)(3): the control system fan motor amperes and all damper positions, the volumetric flow rate through each separately ducted hood, or the volumetric flow rate at the control device inlet and all damper positions shall be determined during all periods in which a hood is operated for the purpose of the capturing emissions from the affected facility. The values of these parameters as determined during the most recent demonstration of compliance shall be maintained at the appropriate level for each applicable period. Operation at other than baseline values may be subject to the requirements of 40 CFR §60.276a(c). (a) The Permittee may petition for reestablishment of these parameters if they can demonstrate that the EAF operating conditions upon which the parameters were previously established are no longer applicable.	40 CFR §60.274a(c)
9. The facility shall perform monthly operational status inspections of the equipment that is important to the performance of the total	40 CFR §60.274a(d)

Federally Enforceable Provisos	Regulations
capture system (i.e., pressure sensors, dampers, and damper switches). This inspection shall include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in the ductwork, and fan erosion). Any deficiencies shall be noted and proper maintenance performed.	
10. During any performance test to determine compliance with the standards in 40 CFR §60.272a(a)(3), the facility shall monitor the following information for all heats covered by the test: (a) Charge weights and materials, and tap weights and materials; (b) Heat times, including start and stop times, and a log of process operation, including periods of no operation during testing and the pressure inside an EAF when direct-shell evacuation control systems are used; (c) Control device operation log; and (d) Continuous opacity monitor or Method 9 data.	40 CFR §60.274a(h)
11. The facility must install, operate, and maintain a capture system that collects the emissions from each EAF (including charging, melting, and tapping operations) and AOD vessel and conveys the collected emissions to a control device for the removal of particulate matter.	40 CFR §63.10686(a)
Recordkeeping and Reporting Requirements	
1. All records shall be maintained in a form suitable for inspection for a period of at least five (5) years.	Rule 335-3-16-.05(c)2.
2. The facility shall maintain a record of all weekly and annual baghouse inspections to satisfy the requirements of periodic monitoring. This shall include all problems observed, excursions, and corrective actions take.	Rule 335-3-16-.05(c)2.
3. The results of each visible emission observation shall be documented using an ADEM visible emissions observation report, and the cause and corrective action take will be documented in a logbook.	Rule 335-3-16-.05(c)2.
4. The facility shall maintain records of all monthly operational status inspections performed under 40 CFR §60.274a(d).	40 CFR §60.274a(a)
5. Records of the measurements required in 40 CFR §60.274a must be retained for at least 2 years following the date of the measurement.	40 CFR §60.276a(a)

Federally Enforceable Provisos	Regulations
6. The facility shall submit a written report of exceedances of the control device opacity semiannually. For the purposes of these reports, exceedances are defined as all 6-minute periods during which the average opacity is 3 percent or greater.	40 CFR §60.276a(b)
7. Either operation of control system fan motor amperes at values exceeding ±15 percent of the value established under 40 CFR §60.274a(c) or operation at flow rates lower than those established under 40 CFR §60.274a(c) may be considered by the Administrator to be unacceptable operation and maintenance of the affected facility. Operation at such values shall be reported semiannually.	40 CFR §60.276a(c)
8. If testing is required to demonstrate compliance with the standards in 40 CFR §60.272a(a), the facility shall submit a report containing the information in 40 CFR §60.276a(f)(1) through (22).	40 CFR §60.276a(f)
9. The facility shall maintain the following records for each bag leak detection system: (a) Records of the bag leak detection system output; (b) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and (c) An identification of the date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, if procedures were initiated within 1 hour of the alarm, the cause of the alarm, an explanation of the actions take, the date and time the cause of the alarm was alleviated, and if the alarm was alleviated within 3 hours of the alarm.	40 CFR §60.276a(h)

Summary Page for Charge Handling

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
Fugitives	Charge Handling	Opacity	(see general proviso 29)	Rule 335-3-4-.01(1)
Fugitives	Charge Handling	Opacity	N/A	Rule 335-3-4-.02(3)
	Miscellaneous Facility Wide	N/A	No motor vehicle scrap	40 CFR Part 63, Subpart YYYYY
	Miscellaneous Facility Wide	N/A	No motor vehicle scrap & No binder catalyst with methanol	40 CFR Part 63, Subpart ZZZZZ

Provisos for Charging Handling

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 is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, *"Control of Particulate Emissions – Visible Emissions"*.	Rule 335-3-4-.01
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.02(3), *"Control of Particulate Emissions – Fugitive Dust and Fugitive Emissions"*.	Rule 335-3-4-.02
4. This facility is subject to the applicable requirements of 40 CFR Part 63, Subpart YYYYY, *"National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Foundries"*.	Rule 335-3-11-.06(128) 40 CFR §63.10680(a), (b)(1)
5. This facility is subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZZ, *"National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources"*.	Rule 335-3-11-.06(129) 40 CFR §63.10880(a), (b)(1)
6. This facility is subject to the applicable requirements of 40 CFR Part 63, Subpart A, *"General Provisions"*, as specified in Table 1 of 40 CFR Part 63, Subpart YYYYY and in 40 CFR Part 63, Subpart ZZZZZ.	Rule 335-3-11-.06(1) 40 CFR §63.10690 40 CFR §63.10890(j)
Emission Standards	
1. When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape the building or equipment in such a manner and amount as to cause a nuisance or to violate any rule or regulation, the Director may order that the building or equipment in which processing, handling, and storage are done be tightly closed and ventilated in such a way that all air and gases and air or gas-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.	Rule 335-3-4-.02(3)
2. Visible emissions from this source shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)

Federally Enforceable Provisos	Regulations
3. The facility shall comply with the requirements for the control of contaminants from scrap in §63.10685(a) &(b) of 40 CFR Part 63, Subpart YYYYY.	40 CFR §63.10685
4. The facility shall comply with the pollution prevention management practices for metallic scrap and mercury switches in §63.10885 and binder formulations in §63.10886 of 40 CFR Part 63, Subpart ZZZZZ.	40 CFR §63.10890(a)
5. At all times, the facility 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.	40 CFR §63.10890(i)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of opacity.	Rule 335-3-1-.05
2. Method 22 of 40 CFR Part 60, Appendix A-7 shall be used to determine the presence of fugitive emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. Monitoring shall be in the form of maintaining records and submitting required reports.	Rule 335-3-16-.05(c)1.
Recordkeeping and Reporting Requirements	
1. All records shall be maintained in a form suitable for inspection for a period of at least five (5) years.	Rule 335-3-16-.05(c)2.
2. If a visible emission observation is required using 40 CFR Part 60, Appendix A, Method 9, 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.	Rule 335-3-16-.05(c)2.
3. The facility shall comply with the recordkeeping and reporting requirements in §63.10685(c) of 40 CFR Part 63, Subpart YYYYY.	40 CFR §63.10685(c)
4. The facility must maintain files of all information (including all reports and notifications) for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site.	40 CFR §63.10890(d)

Federally Enforceable Provisos	Regulations
5. The facility must maintain records of the information specified in §63.10890(e)(1) through (7) of 40 CFR Part 63, Subpart ZZZZZ according to the requirements in 40 CFR §63.10(b)(1).	40 CFR §63.10890(e)
(a) The facility shall maintain records of the annual quantity and composition of each HAP-containing chemical binder or coating material used to make molds and cores.	40 CFR §63.10890(e)(6)
(b) The facility shall maintain records of metal melt production for each calendar year.	40 CFR §63.10890(e)(7)
6. The facility must submit semiannual compliance reports according to the requirements in 40 CFR §63.10899(c), (f), and (g), except that 40 CFR §63.10899(c)(5) and (7) do not apply.	40 CFR §63.10890(f)

Summary Page for Pouring, Casting, and Cooling

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	Pouring, Casting, and Cooling	PM	The allowable set by $3.59(P)^{0.62}$	Rule 335-3-4-.04(1)
005	Pouring, Casting, and Cooling	Opacity	(see general proviso 29)	Rule 335-3-4-.01(1)
Fugitives	Pouring, Casting, and Cooling	Opacity	N/A	Rule 335-3-4-.02(3)

Provisos for Pouring, Casting, and Cooling

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 is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, *"Control of Particulate Emissions – Visible Emissions"*.	Rule 335-3-4-.01
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.02(3), *"Control of Particulate Emissions – Fugitive Dust and Fugitive Emissions"*.	Rule 335-3-4-.02
4. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04, *"Control of Particulate Emissions – Process Industries – General"*.	Rule 335-3-4-.04
Emission Standards	
1. Particulate emissions from this source shall not exceed the allowable as set by Rule 335-3-4-.04(1).	Rule 335-3-4-.04(1)
2. When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape the building or equipment in such a manner and amount as to cause a nuisance or to violate any rule or regulation, the Director may order that the building or equipment in which processing, handling, and storage are done be tightly closed and ventilated in such a way that all air and gases and air or gas-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.	Rule 335-3-4-.02(3)
3. Visible emissions from this source shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of particulate emissions.	Rule 335-3-1-.05
2. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of the opacity.	Rule 335-3-1-.05
3. Method 22 of 40 CFR Part 60, Appendix A-7 shall be used to determine the presence of fugitive emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
Emission Monitoring	
1. Monitoring shall be in the form of maintaining records and submitting required reports.	Rule 335-3-16-.05(c)1.
Recordkeeping and Reporting Requirements	
1. All records shall be maintained in a form suitable for inspection for a period of at least five (5) years.	Rule 335-3-16-.05(c)2.
2. If a visible emission observation is required using the 40 CFR Part 60, Appendix A, Method 9, 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.	Rule 335-3-16-.05(c)2.

Summary Page for Abrasive Blasting with shared Baghouse

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	Abrasive Blasting	PM	The allowable set by $3.59(P)^{0.62}$	Rule 335-3-4-.04
003	Abrasive Blasting	PM	12 mg/dscm (0.0052 gr/dscf)	40 CFR §60.272a(a)(1)
003	Abrasive Blasting	PM	0.8 lb/ton steel produced or 0.0052 gr/dscf	40 CFR §63.10686(c)(1)
003	Abrasive Blasting	Opacity	(see general proviso 29)	Rule 335-3-4-.01(1)
003	Abrasive Blasting	Opacity	3% from AOD	40 CFR §60.272a(a)(2)

Note: NSPS and NESHAP emission limits apply when Abrasive Blasting is being operated at the same time as the AOD since they share the same baghouse.

Provisos for Abrasive Blasting with shared Baghouse

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 is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, *"Control of Particulate Emissions – Visible Emissions"*.	Rule 335-3-4-.01
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.02(3), *"Control of Particulate Emissions – Fugitive Dust and Fugitive Emissions"*.	Rule 335-3-4-.02
4. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04, *"Control of Particulate Emissions – Process Industries – General"*.	Rule 335-3-4-.04
5. This source vents to a shared stack which is subject to requirements in 40 CFR Part 60, Subpart AAa, *"Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983"*.	Rule 335-3-10-.02(27)(a) 40 CFR §60.270a(b)
6. This source vents to a shared stack which is subject to requirements in 40 CFR Part 63, Subpart YYYYY, *"National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Foundries"*.	Rule 335-3-11-.06(128) 40 CFR §63. 10680(a), (b)(1)
Emission Standards	
1. Particulate emissions from this source shall not exceed the allowable as set by Rule 335-3-4-.04(1).	Rule 335-3-4-.04(1)
2. When the AOD Vessel and Abrasive Blasting are operating simultaneously, particulate matter emissions from the shared control device shall not exceed 12 mg/dscm (0.0052 gr/dscf).	40 CFR §60.272a(a)(1) 40 CFR §63.10686(c)(1)
3. When the AOD Vessel and Abrasive Blasting are operating simultaneously, particulate matter emissions from the shared control device shall not exceed 0.80 pounds per ton (lb/ton) of steel.	40 CFR §63.10686(c)(1)
4. When dust, furnace, gases, mist, odorous matter, vapors, or any combination thereof escape the building or equipment in such a manner and amount as to cause a nuisance or to violate any rule or regulation, the Director may order that the building or	Rule 335-3-4-.02(3)

Federally Enforceable Provisos	Regulations
equipment in which processing, handling, and storage are done be tightly closed and ventilated in such a way that all air and gases and air or gas-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.	
5. Visible emissions from this source shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
6. When the AOD Vessel and Abrasive Blasting are operating simultaneously, the facility shall not discharge into the atmosphere any gases which exit from the shared control device and exhibit 3 percent opacity or greater.	40 CFR §60.272a(a)(2)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of particulate emissions.	Rule 335-3-1-.05
2. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of the opacity.	Rule 335-3-1-.05
3. Method 22 of 40 CFR Part 60, Appendix A-7 shall be used to determine the presence of fugitive emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. The Permittee shall perform a weekly inspection of the baghouses to verify proper operation. The following activities shall be performed: (a) Check hopper, fan, and cleaning cycle for proper operation. (b) Check all hoods and ducts. (c) Record any repairs or observed problems.	Rule 335-3-16-.05(c)1.
2. The Permittee shall perform an annual inspection of the baghouse to verify proper operation. The following activities shall be performed. (a) Inspect baghouse structure, access doors, door seals, and bags. (b) Perform an internal inspection of the baghouse hoppers. (c) Record any repairs or observed problems.	Rule 335-3-16-.05(c)1.

Federally Enforceable Provisos	Regulations
Recordkeeping and Reporting Requirements	
1. All records shall be maintained in a form suitable for inspection for a period of at least five (5) years.	Rule 335-3-16-.05(c)2.
2. The facility shall maintain a record of all weekly and annual baghouse inspections to satisfy the requirements of periodic monitoring. This shall include all problems observed, excursions, and corrective actions take.	Rule 335-3-16-.05(c)2.
3. If a visible emission observation is required using 40 CFR Part 60, Appendix A, Method 9, 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.	Rule 335-3-16-.05(c)2.

APPENDIX CAM

Compliance Assurance Monitoring Requirements

Compliance Assurance Monitoring (CAM) Plan for Electric Arc Furnace #1

	Indicator 1	Indicator 2	Indicator 3
I. Indicator	Visible Emissions	Inspection/Maintenance	Reference Method Testing
Measurement Approach	Visual inspection of the baghouse stack	Daily inspection according to I/M checklist; maintenance performed as needed	Emissions testing using methods 1 – 4 and 5
II. Indicator Range	While the unit is operating, an excursion is defined as instantaneous opacity greater than 3%. Excursions trigger an inspection, corrective action, and a reporting requirement.	N/A	Particulate Matter, 0.0052 gr/dscf
III. Performance Criteria			
A. Data Representativeness	Observe visible emissions at each exit for at least three six-minute periods per day	Inspections are performed at the baghouse	Test samples done at the exhaust of the baghouse
B. Verification of Operation Status	N/A	N/A	N/A
C. QA/QC Practices and Criteria	The observer will be certified in Reference Method 9	Qualified personnel perform inspection	Use reference method protocols
D. Monitoring Frequency	An instantaneous observation will be performed daily.	Daily inspection	Department initiated
E. Data Collection Procedures	The VE observation will be recorded with date, time, results, and name of observer.	Records are maintained to document daily inspections and any required maintenance	As required by Methods 1 – 4 and 5
F. Averaging Period	Instantaneous	N/A	N/A

Compliance Assurance Monitoring (CAM) Plan for Electric Arc Furnace #2

	Indicator 1	Indicator 2	Indicator 3
I. Indicator	Visible Emissions	Inspection/Maintenance	Reference Method Testing
Measurement Approach	Visual inspection of the baghouse stack	Daily inspection according to I/M checklist; maintenance performed as needed	Emissions testing using methods 1 – 4 and 5
II. Indicator Range	While the unit is operating, an excursion is defined as instantaneous opacity greater than 3%. Excursions trigger an inspection, corrective action, and a reporting requirement.	N/A	Particulate Matter, 0.0052 gr/dscf
III. Performance Criteria			
A. Data Representativeness	Observe visible emissions at each exit for at least three six-minute periods per day	Inspections are performed at the baghouse	Test samples done at the exhaust of the baghouse
B. Verification of Operation Status	N/A	N/A	N/A
C. QA/QC Practices and Criteria	The observer will be certified in Reference Method 9	Qualified personnel perform inspection	Use reference method protocols
D. Monitoring Frequency	An instantaneous observation will be performed daily.	Daily inspection	Department initiated
E. Data Collection Procedures	The VE observation will be recorded with date, time, results, and name of observer.	Records are maintained to document daily inspections and any required maintenance	As required by Methods 1 – 4 and 5
F. Averaging Period	Instantaneous	N/A	N/A

Compliance Assurance Monitoring (CAM) Plan for Argon-Oxygen Decarburization (AOD) Vessel

	Indicator 1	Indicator 2	Indicator 3
I. Indicator	Visible Emissions	Inspection/Maintenance	Reference Method Testing
Measurement Approach	Visual inspection of the baghouse stack	Daily inspection according to I/M checklist; maintenance performed as needed	Emissions testing using methods 1 – 4 and 5
II. Indicator Range	While the unit is operating, an excursion is defined as instantaneous opacity greater than 3%. Excursions trigger an inspection, corrective action, and a reporting requirement.	N/A	Particulate Matter, 0.0052 gr/dscf
III. Performance Criteria			
A. Data Representativeness	Observe visible emissions at each exit for at least three six-minute periods per day	Inspections are performed at the baghouse	Test samples done at the exhaust of the baghouse
B. Verification of Operation Status	N/A	N/A	N/A
C. QA/QC Practices and Criteria	The observer will be certified in Reference Method 9	Qualified personnel perform inspection	Use reference method protocols
D. Monitoring Frequency	An instantaneous observation will be performed daily.	Daily inspection	Department initiated
E. Data Collection Procedures	The VE observation will be recorded with date, time, results, and name of observer.	Records are maintained to document daily inspections and any required maintenance	As required by Methods 1 – 4 and 5
F. Averaging Period	Instantaneous	N/A	N/A

PERMIT APPLICATION SUMMARY FORM

General Facility Information

Facility name:	ICD Melting Solutions LLC	AFS(9-digit) Plant ID:	01-095-00023
Facility address:	1279 Brashers Chapel Rd	Date application received:	12/16/20
Source description:	Specialties Metal Foundry	Application number:	
SIC code of major product:	3325	Permit number(s):	711-0023

Application Type/Permit Activity

- ☐ Initial issuance
- ☐ Permit modification
- ☒ Permit renewal
- ☐ General permit
- ☐ Conditional major

Facility Emissions Summary

Pollutant	Potential Emissions (tpy)
PM	17.5
SO_2	8.16
NOx	8.72
CO	71.5
VOC	1.91
LEAD	0.23
HAP ≥ 10 tpy (by CAS)	2.49

Compliance Summary

- ☐ Source is out of compliance
- ☒ Compliance certification signed
- ☐ Compliance schedule included

Applicable Requirements list

- ☐ NSR
- ☐ PSD
- ☒ NSPS
- ☒ NESHAPS/MACT
- ☒ SIP
- ☐ Other

Miscellaneous

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source requested synthetic PTE limit to avoid major source requirement (e.g., PSD, MACT)
- ☐ Source subject to case-by-case 112(g) or (j) determination
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source applied for a plant-wide applicability limit (PAL)
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source requested terms for operational flexibility
- ☐ Source requested streamlining of multiple applicable requirements
- ☐ Source requested monitoring plan to establish periodic monitoring
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) included