COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: December 14, 2020 Effective Date: December 14, 2020

Expiration Date: November 30, 2025

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 43-00036
Synthetic Minor
Federal Tax Id - Plant Code: 57-1139902-1

Owner Information

Name: HODGE FOUNDRY INC
Mailing Address: 42 LEECH RD
PO BOX 550
GREENVILLE, PA 16125-9724

Plant Information

Plant: HODGE FOUNDRY/GREENVILLE
Location: 43 Mercer County 43917 Hempfield Township
SIC Code: 3321 Manufacturing - Gray And Ductile Iron Foundries

Responsible Official

Name: MICHAEL FORSHA
Title: V.P. ENGINEERING
Phone: (724) 588 - 4100

Permit Contact Person

Name: NATE GOLDOWSKI
Title: EHS MGR
Phone: (440) 864 - 8656

[Signature] _____
ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

SECTION A. Table of Contents

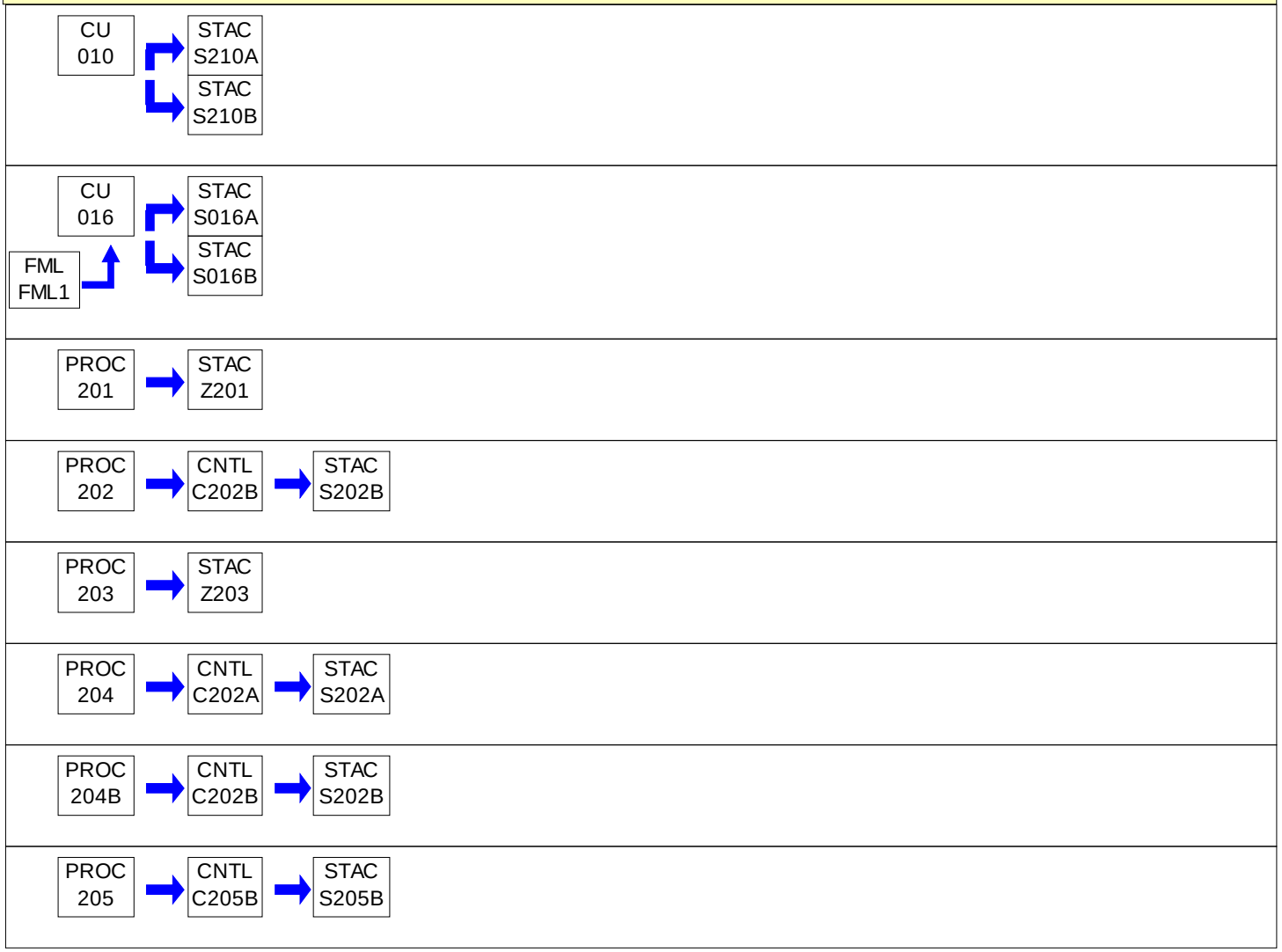
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
010	HEAT TREATING FURNACES (2)	12.000	MMBTU/HR	
		12.000	MCF/HR	Natural Gas
016	PAINT BOOTH PREHEATER & MISC. SPACE HEAT	4.700	MMBTU/HR	
		4.700	MCF/HR	Natural Gas
201	ELEC.INDUCTION FURNACES (3)	9.000	Tons/HR	SCRAP METAL
202	INOCULATION OPERATIONS	9.000	Tons/HR	MOLTEN IRON
203	POURING & COOLING	9.000	Tons/HR	IRON
204	SHAKEOUT	9.000	Tons/HR	IRON CASTINGS
204B	SHAKER DECK			
205	FINISHING OPERATIONS - WHEELABRATOR	9.000	Tons/HR	IRON CASTINGS
206	CORE & MOLD PRODUCTION	9.000	Tons/HR	IRON CASTINGS
207	SPRAY PAINTING	0.500	Lbs/HR	VOC IN COATING
208	WOOD PATTERN PRODUCTION	50.000	Lbs/HR	WOOD & STYROFOAM
209	MOLD WASH / FLOW COATING	79.000	Lbs/HR	VOC IN COATING
211	SAND RECLAMATION	25.000	Tons/HR	SAND
212	BINDER/RESIN STORAGE TANKS	1.000	Gal/HR	FURAN RESIN
		1.000	Gal/HR	FURAN RESIN
215	PATTERN COATING	65.000	Lbs/HR	VOC IN COATING
216	CORE ROOM OVEN & LADLE PRE-HEATING	5.000	MCF/HR	Natural Gas
230	MAINTENANCE DEGREASERS			
250	50 KW EMERGENCY POWER GENERATOR			
251	400 KW EMERGENCY POWER GENERATOR			
301	DRY ABRASIVE BLASTING OPERATION			
C202A	SHAKEOUT BAGHOUSE (30,000 CFM)			
C202B	INOCULATION & SHAKER DECK BAGHOUSE (75,000 CFM)			
C205B	FINISHING OP BGHSE (WHEELABRATOR)			
C207A	PARTICULAT MATTER PANEL FILTERS			
C207B	PAINT BOOTH PANEL FILTERS			
C208A	CYCLONE COLLECTOR - SOURCE ID: 208			
C208B	PATTERN PROD. BGHSE (6,000 CFM)			
C211C	SAND RECLAMATION BGHSE (20,000 CFM)			
C301	ABRASIVE BLASTING BAGHOUSE (25,000 CFM)			
FML1	NATURAL GAS PIPELINE			
S016A	PAINT BOOTH HEATER STACK			
S016B	PAINT BOOTH HEATER STACK			
S202A	BAGHOUSE STACK			
S202B	BAGHOUSE STACK			
S205B	FINISHING BAGHOUSE STACK			
S207A	PAINT BOOTH STACK			
S207B	PAINT BOOTH STACK			

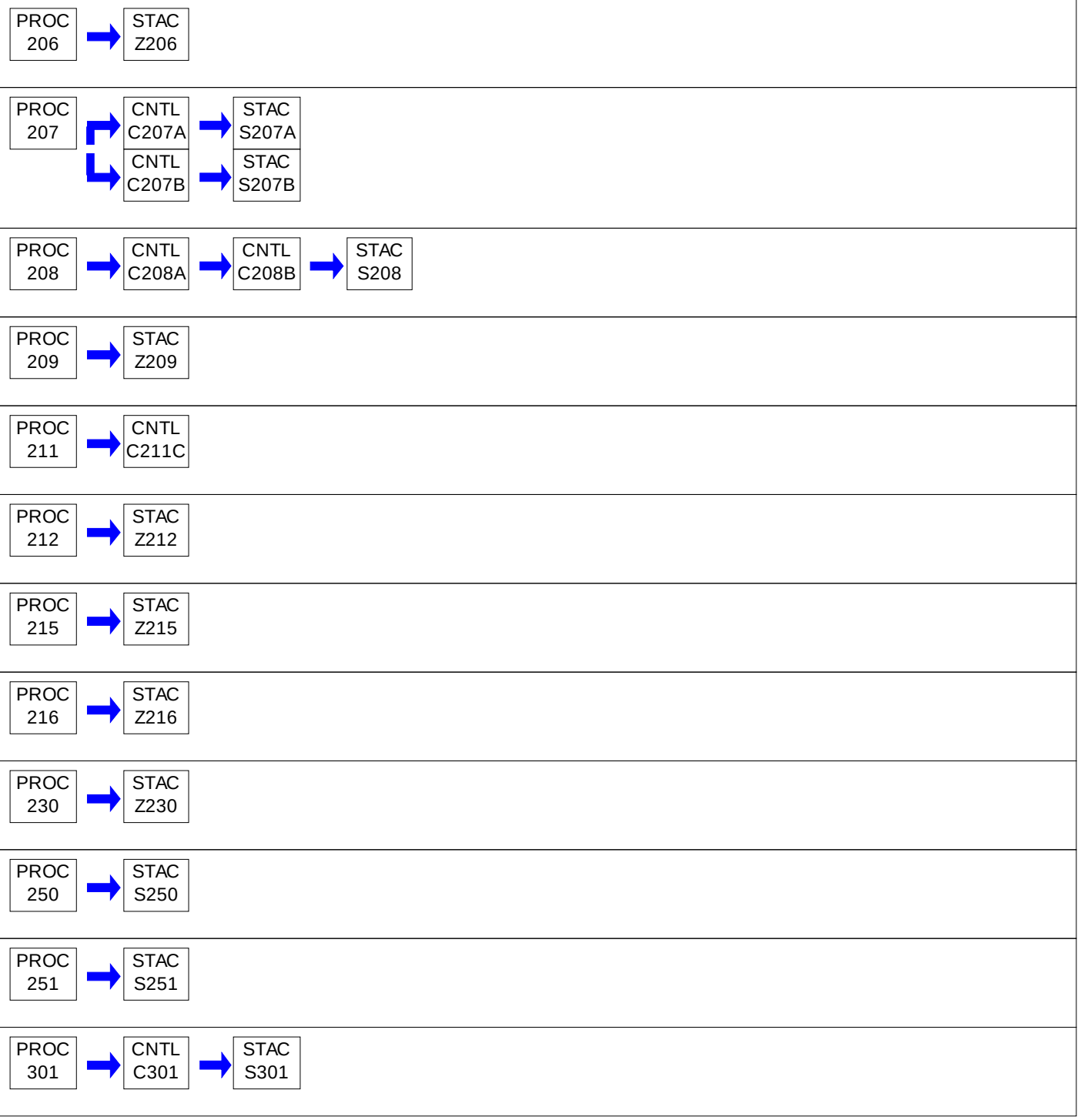
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S208	WOOD WORKING STACK		
S210A	HEAT TREATER STACK A		
S210B	HEAT TREATER STACK B		
S250	STACK - SOURCE ID: 250		
S251	STACK - SOURCE ID: 251		
S301	BLASTING COLLECTOR STACK		
Z201	FUGITIVES FROM FURNACES		
Z203	FUGITIVES FROM POUR/COOL		
Z206	CORE & MOLD FUGITIVES		
Z209	FLOW COATING FUGITIVES		
Z212	TANK FUGITIVES		
Z215	SPRAY COATING FUGITIVES		
Z216	PROCESS HEATER FUGITIVES		
Z230	FUGITIVE EMISSIONS SOURCE ID: 230		

PERMIT MAPS



PERMIT MAPS


PROC 206
STAC Z206
PROC 207
CNTL C207A
STAC S207A
CNTL C207B
STAC S207B
PROC 208
CNTL C208A
CNTL C208B
STAC S208
PROC 209
STAC Z209
PROC 211
CNTL C211C
PROC 212
STAC Z212
PROC 215
STAC Z215
PROC 216
STAC Z216
PROC 230
STAC Z230
PROC 250
STAC S250
PROC 251
STAC S251
PROC 301
CNTL C301
STAC S301

SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]

Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

(a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

SECTION B. General State Only Requirements

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

Inspection and Entry.

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.441 & 127.444]

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

SECTION B. General State Only Requirements

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

SECTION B. General State Only Requirements

significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]

Severability Clause.

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM10 from a single source during the term of the permit and 3.0 tons of PM10 at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

SECTION B. General State Only Requirements

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

SECTION B. General State Only Requirements

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]

Reactivation

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]

Circumvention.

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]

Reporting Requirements.

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise
notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

SECTION B. General State Only Requirements

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]

Recordkeeping.

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

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#023 [25 Pa. Code §135.3]

Reporting

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#024 [25 Pa. Code §135.4]

Report Format

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the act.

 # 002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) [For open burning operations, see § 129.14.]

(7) - (8) [Not Applicable]

(9) Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) The emissions are of minor significance with respect to causing air pollution; and

(ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

 # 003 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in § 123.1(a)(1) - (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

 # 004 [25 Pa. Code §123.31]

Limitations

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

 # 005 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

(1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.

(2) Equal to or greater than 60% at any time.

SECTION C. Site Level Requirements

 # 006 [25 Pa. Code §123.42]

Exceptions

The limitations of § 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

(1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) When the emission results from sources specified in § 123.1(a)(1) - (9) (relating to prohibition of certain fugitive emissions).

(4) [Not Applicable]

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The VOC content of the binder material shall not exceed 3.5% by weight.
[Note: This VOC content limit shall apply to the binder after the material has reacted to form a solidified resin matrix.]

[Authority for these conditions is also derived from 25 Pa Code 129.91 (RACT Permit 43-036, Condition #8).]

 # 008 [25 Pa. Code §129.14]

Open burning operations

(a) Air basin. [Not Applicable]

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

(c) The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) - (5) [Not Applicable]

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) The following is applicable to clearing and grubbing wastes:

SECTION C. Site Level Requirements

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) [Not Applicable]

(3) Subsection (b) notwithstanding, clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10895]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my standards and management practices?

[LARGE FOUNDRIES]

(a) If you own or operate an affected source that is a large foundry as defined in §63.10906, you must comply with the pollution prevention management practices in §§63.10885 and 63.10886, the requirements in paragraphs (b) through (e) of this section, and the requirements in §§63.10896 through 63.10900.

(b) [Not Applicable]

(c) You must not discharge to the atmosphere emissions from any metal melting furnace or group of all metal melting furnaces that exceed the applicable limit in paragraph (c)(1) or (2) of this section. When an alternative emissions limit is provided for a given emissions source, you are not restricted in the selection of which applicable alternative emissions limit is used to demonstrate compliance.

(1) For an existing iron and steel foundry, 0.8 pounds of particulate matter (PM) per ton of metal charged or 0.06 pounds of total metal HAP per ton of metal charged.

(2) [Not Applicable]

(d) [Not Applicable]

(e) If you own or operate a new or existing iron and steel foundry, you must not discharge to the atmosphere fugitive emissions from foundry operations that exhibit opacity greater than 20 percent (6-minute average), except for one 6-minute average per hour that does not exceed 30 percent.

 # 010 Elective Restriction

VOC emissions from this facility shall not exceed 49.5 tons during any consecutive 12-month period.

SECTION C. Site Level Requirements

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the 52.5 ton per year VOC limit contained in Condition #7 of RACT Permit Number 43-036.]

 # 011 Elective Restriction

(a) The combined HAP emissions from all sources at this facility shall not exceed 24.5 tons during any consecutive 12-month period.

(b) The emissions of any single HAP from all sources at this facility shall not exceed 9.5 tons during any consecutive 12-month period.

Throughput Restriction(s).

 # 012 Elective Restriction

(a) In order to maintain Synthetic Minor status, this facility is limited to no more than 29,867 tons of metal charged during any consecutive 12-month period.

(b) The company shall limit the amount of resin used in the production of cores and molds to 2,200,000 pounds, or less, in any 12-month rolling period.

(c) The company shall limit the amount of catalyst used in the production of cores and molds to 635,555 pounds, or less, in any 12-month rolling period.

[Paragraphs (b) & (c) of this condition were approved through PA 43-036A issued on July 2, 2008 and replaced the original elective restrictions established during the June 23, 2005 renewal.]

II. TESTING REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with any applicable requirement.

[Authority for this condition is also derived from 25 Pa Code § 129.91.]

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10898]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my performance test requirements?

[LARGE FOUNDRIES]

(a) You must conduct a performance test to demonstrate initial compliance with the applicable emissions limits for each metal melting furnace or group of all metal melting furnaces that is subject to an emissions limit in §63.10895(c) and for each building or structure housing foundry operations that is subject to the opacity limit for fugitive emissions in §63.10895(e). You must conduct the test within 180 days of your compliance date and report the results in your notification of compliance status. [This is a one-time requirement.]

(1) - (2) [Omitted. The permittee complied with this one-time requirement as per § 63.10898(a)(4).]

(3) [Not Applicable. The regulated melting furnaces (Source 201) are not equipped with any emissions control device.]

(4) If you have an uncontrolled electric induction furnace at an existing foundry, you may use the test results from another electric induction furnace to demonstrate compliance with the applicable PM or total metal HAP emissions limit in §63.10895(c) provided the test results are prior to any control device and the electric induction furnaces are similar with respect to the composition of the scrap charged, furnace size, and furnace melting temperature.

SECTION C. Site Level Requirements

(5) [Omitted. The permittee complied with this one-time requirement as per § 63.10898(a)(4).]

(b) You must conduct subsequent performance tests to demonstrate compliance with all applicable PM or total metal HAP emissions limits in §63.10895(c) for a metal melting furnace or group of all metal melting furnaces no less frequently than every 5 years and each time you elect to change an operating limit or make a process change likely to increase HAP emissions.

[The permittee can claim exemption from subsequent performance test requirement for uncontrolled electric induction furnaces (Source 201) under § 63.10898(e)(3).]

(c) You must conduct each performance test under conditions representative of normal operations according to the requirements in Table 1 to this subpart and paragraphs (d) through (g) of this section. Normal operating conditions exclude periods of startup and shutdown. You may not conduct performance tests during periods of malfunction. You must record the process information that is necessary to document operating conditions during the test and include in such record an explanation to support that such conditions represent normal operation. Upon request, you shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(d) To determine compliance with the applicable PM or total metal HAP emissions limit in §63.10895(c) for a metal melting furnace in a lb/ton of metal charged format, compute the process-weighted mass emissions (Ep) for each test run using Equation 1 of this section:

$$Ep = (C \times Q \times T)/(P \times K) \qquad \text{(Eq. 1)}$$

Where:
Ep = Process-weighted mass emissions rate of PM or total metal HAP, pounds of PM or total metal HAP per ton (lb/ton) of metal charged;
C = Concentration of PM or total metal HAP measured during performance test run, grains per dry standard cubic foot (gr/dscf);
Q = Volumetric flow rate of exhaust gas, dry standard cubic feet per hour (dscf/hr);
T = Total time during a test run that a sample is withdrawn from the stack during melt production cycle, hr;
P = Total amount of metal charged during the test run, tons; and
K = Conversion factor, 7,000 grains per pound.

(e) To determine compliance with the applicable emissions limit in §63.10895(c) for a group of all metal melting furnaces using emissions averaging,

(1) Determine and record the monthly average charge rate for each metal melting furnace at your iron and steel foundry for the previous calendar month; and

(2) Compute the mass-weighted PM or total metal HAP using Equation 2 of this section.

[For Equation 2 & its notations, refer to Title 40 - Protection of Environment in www.ecfr.gov.]

Where:
EC = The mass-weighted PM or total metal HAP emissions for the group of all metal melting furnaces at the foundry, pounds of PM or total metal HAP per ton of metal charged;
Epi = Process-weighted mass emissions of PM or total metal HAP for individual emission unit i as determined from the performance test and calculated using Equation 1 of this section, pounds of PM or total metal HAP per ton of metal charged;
Tti = Total tons of metal charged for individual emission unit i for the calendar month prior to the performance test, tons; and
n = The total number of metal melting furnaces at the iron and steel foundry.

(3) For an uncontrolled electric induction furnace that is not equipped with a capture system and has not been previously tested for PM or total metal HAP, you may assume an emissions factor of 2 pounds per ton of PM or 0.13 pounds of total metal HAP per ton of metal melted in Equation 2 of this section instead of a measured test value. If the uncontrolled electric

SECTION C. Site Level Requirements

induction furnace is equipped with a capture system, you must use a measured test value.

[Source 201 consists of uncontrolled electric induction furnaces. Therefore, in demonstrating compliance with the applicable emission limit/s, the permittee may use the emission factors in this provision rather than a measured test value.]

(f) [Omitted. Emissions from the regulated melting furnaces (Source 201) are not combined with emissions from non-regulated sources. Emissions from the regulated melting furnaces (Source 201) are emitted as fugitives.]

(g) [Omitted. The regulated melting furnaces (Source 201) are not equipped with any emission control device.]

(h) You must conduct each opacity test for fugitive emissions according to the requirements in §63.6(h)(5) and Table 1 to this subpart.

(i) You must conduct subsequent performance tests to demonstrate compliance with the opacity limit in §63.10895(e) no less frequently than every 6 months and each time you make a process change likely to increase fugitive emissions.

(j) In your performance test report, you must certify that the capture system operated normally during the performance test.

(k) [Not Applicable. Provision for new affected sources.]

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56102, Sept. 10, 2020]

III. MONITORING REQUIREMENTS.

 # 015 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10897]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my monitoring requirements?

[LARGE FOUNDRIES]

(a) - (f) [Not Applicable. Metal melting furnaces (Source 201) are not equipped with any control devices nor any PM measurement devices.]

(g) In the event of an exceedance of an established emissions limitation (including an operating limit), you must restore operation of the emissions source (including the control device and associated capture system) to its normal or usual manner or operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the exceedance. You must record the date and time corrective action was initiated, the corrective action taken, and the date corrective action was completed.

(h) If you choose to comply with an emissions limit in §63.10895(c) using emissions averaging, you must calculate and record for each calendar month the pounds of PM or total metal HAP per ton of metal melted from the group of all metal melting furnaces at your foundry. You must calculate and record the weighted average pounds per ton emissions rate for the group of all metal melting furnaces at the foundry determined from the performance test procedures in §63.10898(d) and (e).

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56102, Sept. 10, 2020]

SECTION C. Site Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain production records for all processes at this facility. These records shall contain sufficient data and calculations to clearly demonstrate compliance with the VOC emission limitations for the facility. These records shall specifically include:

(1) Plant wide binder usage.
(2) Plant wide catalyst usage (broken down by type).
(3) Binder VOC content.
(4) VOC content of each catalyst used.
(5) Average VOC content of the binder mixture (percent by weight).
(6) Plant wide pattern coating usage.
(7) VOC content of pattern coating materials (as applied).
(8) Plant wide diluent usage (including density).

(b) All production records and emission estimate calculations shall be maintained by the permittee for a period of at least five (5) years and shall be made available to the Department upon request.

[Authority for this condition is also derived from 25 Pa Code § 129.91.]

 # 018 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee can modify the mixture of pollutants regulated under section 112 of the Clean Air Act (42 U.S.C.A. Subsection 7412) which are VOCs or PM10 so long as the emission limitations of the permit are not violated. The permittee shall keep a log which identifies the mixture of pollutants regulated under section 112 and report the changes in the mixture of pollutants regulated under section 112 with the next report required to be provided to the Department.

 # 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10890]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my management practices and compliance requirements?

[SMALL FOUNDRIES]

(a) [See VI. Work Practice Requirements in Section C of this permit.]

(b) - (c) [See V. Reporting Requirements in Section C of this permit.]

(d) As required by §63.10(b)(1), you 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. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. Any records required to be maintained by this part that are submitted electronically via the EPA's Compliance and Emissions Data Reporting Interface (CEDRI) may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

(e) You must maintain records of the information specified in paragraphs (e)(1) through (7) of this section according to the requirements in §63.10(b)(1).

(1) Records supporting your initial notification of applicability and your notification of compliance status according to §63.10(b)(2)(xiv).

(2) Records of your written materials specifications according to §63.10885(a) and records that demonstrate compliance with the requirements for restricted metallic scrap in §63.10885(a)(1) and/or for the use of general scrap in §63.10885(a)(2) and for mercury in §63.10885(b)(1) through (3), as applicable. You must keep records documenting compliance with §63.10885(b)(4) for scrap that does not contain motor vehicle scrap.

SECTION C. Site Level Requirements

(3) [Not Applicable. Provision for site-specific plan for mercury switch removal under § 63.10885(b)(1).]

(4) [Not Applicable. Provision for the option for approved mercury programs under § 63.10885(b)(2).]

(5) [Not Applicable. Provision for furfuryl alcohol warm box mold or core making line under § 63.10886.]

(6) Records of the annual quantity and composition of each HAP-containing chemical binder or coating material used to make molds and cores. These records must be copies of purchasing records, Material Safety Data Sheets, or other documentation that provides information on the binder or coating materials used.

(7) Records of metal melt production for each calendar year.

(f) - (g) [See V. Reporting Requirements in Section C of this permit.]

(h) - (j) [See VI. Work Practice Requirements in Section C of this permit.]

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56101, Sept. 10, 2020]

 # 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10899]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my recordkeeping and reporting requirements?

[SMALL & LARGE FOUNDRIES. For large foundries, all provisions of § 63.10899 apply. For small foundries, pursuant to § 63.10890(f), § 63.10899(c), (f) & (g) apply, except for § 63.10899(c)(5)& (7).]

(a) As required by §63.10(b)(1), you 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. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks or flash drives, on magnetic tape disks, or on microfiche. Any records required to be maintained by this part that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

(b) In addition to the records required by §63.10(b)(2)(iii) and (vi) through (xiv) and (b)(3), you must keep records of the information specified in paragraphs (b)(1) through (15) of this section.

(1) You must keep records of your written materials specifications according to §63.10885(a) and records that demonstrate compliance with the requirements for restricted metallic scrap in §63.10885(a)(1) and/or for the use of general scrap in §63.10885(a)(2) and for mercury in §63.10885(b)(1) through (3), as applicable. You must keep records documenting compliance with §63.10885(b)(4) for scrap that does not contain motor vehicle scrap.

(2) [Omitted. The permittee complies with § 63.10885(b)(4), and not § 63.10885(b)(1). If § 63.10885(b)(1) becomes applicable, § 63.10899(b)(2) becomes applicable; for its provisions, refer to § 63.10899 under Title 40 - Protection of Environment in www.ecfr.gov.]

(3) [Omitted. The permittee complies with § 63.10885(b)(4), and not § 63.10885(b)(2). If § 63.10885(b)(2) becomes applicable, § 63.10899(b)(3) becomes applicable; for its provisions, refer to § 63.10899 under Title 40 - Protection of Environment in www.ecfr.gov.]

(4) [Omitted. § 63.10886 does not apply.]

(5) You must keep records of the annual quantity and composition of each HAP-containing chemical binder or coating material used to make molds and cores. These records must be copies of purchasing records, Material Safety Data Sheets, or other documentation that provide information on the binder or coating materials used.

SECTION C. Site Level Requirements

(6) You must keep records of monthly metal melt production for each calendar year.

(7) You must keep a copy of the operation and maintenance plan as required by §63.10896(a) and records that demonstrate compliance with plan requirements.

(8) If you use emissions averaging, you must keep records of the monthly metal melting rate for each furnace at your iron and steel foundry, and records of the calculated pounds of PM or total metal HAP per ton of metal melted for the group of all metal melting furnaces required by §63.10897(h).

(9) - (11) [Not Applicable]

(12) You must keep records of corrective action(s) for exceedances and excursions as required by §63.10897(g).

(13) [Not Applicable]

(14) You must keep records of the site-specific performance evaluation test plan required under §63.8(d)(2) for the life of the affected source or until the affected source is no longer subject to the provisions of this part, to be made available for inspection, upon request, by the Administrator. If the performance evaluation plan is revised, you shall keep previous (i.e., superseded) versions of the performance evaluation plan on record to be made available for inspection, upon request, by the Administrator, for a period of 5 years after each revision to the plan. The program of corrective action should be included in the plan as required under §63.8(d)(2)(vi).

(15) You must keep the following records for each failure to meet an emissions limitation (including operating limit), work practice standard, or operation and maintenance requirement in this subpart.

(i) Date, start time, and duration of each failure.

(ii) List of the affected sources or equipment for each failure, an estimate of the quantity of each regulated pollutant emitted over any emission limit and a description of the method used to estimate the emissions.

(iii) Actions taken to minimize emissions in accordance with §63.10896(c), and any corrective actions taken to return the affected unit to its normal or usual manner of operation.

(c) - (g) [See V. Reporting Requirements in Section C of this permit.]

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56102, Sept. 10, 2020]

 # 021 elective restriction

(a) On a monthly basis, the permittee shall calculate the VOC emissions from all sources at this facility. The monthly VOC emissions are then to be added to the VOC emissions calculated for the previous eleven months to arrive at the 12-month rolling total for the period. These monthly and 12-month rolling total emission records are to be maintained for a minimum of 5 years and be made available to the Department upon request.

(b) On a monthly basis, the permittee shall calculate the HAP emissions from all sources at this facility. The monthly HAP emissions are then to be added to the HAP emissions calculated for the previous eleven months to arrive at the 12-month rolling total for the period. These monthly and 12-month rolling total emission records are to be maintained for a minimum of 5 years and be made available to the Department upon request.

(c) On a monthly basis, the permittee shall determine the quantity of material charged for that month. That quantity of material charged is then to be added to the quantity charged during the previous eleven months to arrive at the 12-month rolling total for the period. These monthly and 12-month rolling total throughput records are to be maintained for a minimum of 5 years and be made available to the Department upon request.

(d) On a monthly basis, the permittee shall determine the quantity of resin/binder consumed for that month. That quantity of resin/binder consumed is then to be added to the quantity consumed during the previous eleven months to arrive at the

SECTION C. Site Level Requirements

12-month rolling total for the period. These monthly and 12-month rolling total throughput records are to be maintained for a minimum of 5 years and be made available to the Department upon request.

(e) On a monthly basis, the permittee shall determine the quantity of catalyst consumed for that month. That quantity of catalyst consumed is then to be added to the quantity consumed during the previous eleven months to arrive at the 12-month rolling total for the period. These monthly and 12-month rolling total throughput records are to be maintained for a minimum of 5 years and be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall notify the Department on any proposed changes to binder materials or processes which could result in an increase/decrease in VOC emissions from the facility.

[RACT Permit 43-036, Condition #6.]

 # 023 [25 Pa. Code §135.21]

Emission statements

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more oxides of nitrogen or 50 tons or more of VOC per year.

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOC's or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10890]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my management practices and compliance requirements?

[SMALL FOUNDRIES]

(a) [See VI. Work Practice Requirements in Section C of this permit.]

SECTION C. Site Level Requirements

(b) You must submit an initial notification of applicability according to §63.9(b)(2).

(c) You must submit a notification of compliance status according to §63.9(h)(1)(i). You must send the notification of compliance status before the close of business on the 30th day after the applicable compliance date specified in §63.10881. The notification must include the following compliance certifications, as applicable:

(1) "This facility has prepared, and will operate by, written material specifications for metallic scrap according to §63.10885(a)(1)" and/or This facility has prepared, and will operate by, written material specifications for general iron and steel scrap according to §63.10885(a)(2)."

(2) "This facility has prepared, and will operate by, written material specifications for the removal of mercury switches and a site-specific plan implementing the material specifications according to §63.10885(b)(1) and/or "This facility participates in and purchases motor vehicle scrap only from scrap providers who participate in a program for removal of mercury switches that has been approved by the Administrator according to §63.10885(b)(2) and has prepared a plan for participation in the EPA- approved program according to §63.10885(b)(2)(iv)" and/or The only materials from motor vehicles in the scrap charged to a metal melting furnace at this facility are materials recovered for their specialty alloy content in accordance with §63.10885(b)(3) which are not reasonably expected to contain mercury switches" and/or "This facility complies with the requirements for scrap that does not contain motor vehicle scrap in accordance with §63.10885(b)(4)."

(3) "This facility complies with the no methanol requirement for the catalyst portion of each binder chemical formulation for a furfuryl alcohol warm box mold or core making line according to §63.10886."

(d) - (e) [See IV. Recordkeeping Requirements in Section C of this permit.]

(f) You must submit semiannual compliance reports to the Administrator according to the requirements in §63.10899(c), (f), and (g), except that §63.10899(c)(5) and (7) do not apply.

(g) You must submit a written notification to the Administrator of the initial classification of your facility as a small foundry as required in §63.10880(f) and (g), as applicable, and for any subsequent reclassification as required in §63.10881(d)(1) or (e), as applicable.

(h) - (j) [See VI. Work Practice Requirements in Section C of this permit.]

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56101, Sept. 10, 2020]

 # 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10899]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my recordkeeping and reporting requirements?

[SMALL & LARGE FOUNDRIES. For large foundries, all provisions of § 63.10899 apply. For small foundries, pursuant to § 63.10890(f), § 63.10899(c), (f) & (g) apply, except for § 63.10899(c)(5)& (7).]

(a) - (b) [See IV. Recordkeeping Requirements in Section C of this permit.]

(c) Prior to March 9, 2021, you must submit semiannual compliance reports to the Administrator according to the requirements in §63.13. Beginning on March 9, 2021, you must submit all subsequent semiannual compliance reports to the EPA via the CEDRI, which can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as confidential business information (CBI). Anything submitted using CEDRI cannot later be claimed to be CBI. You must use the appropriate electronic report template on the CEDRI website (https://www.epa.gov/electronic-reporting-air-emissions/cedri) for this subpart. The date report templates become available will be listed on the CEDRI website. The report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted. Although we do not expect persons to assert a claim of CBI, if persons wish to assert a CBI if you claim some of the information required to be submitted via CEDRI is CBI, submit a complete report, including information claimed to be CBI, to the EPA. The report must be generated using the appropriate form on the CEDRI website or an alternate electronic file consistent with the extensible markup language (XML) schema listed on the

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CEDRI website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph (c). All CBI claims must be asserted at the time of submission. Furthermore, under CAA section 114(c) emissions data is not entitled to confidential treatment and requires EPA to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. The reports must include the information specified in paragraphs (c)(1) through (3) of this section and, as applicable, paragraphs (c)(4) through (9) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If there were no deviations from any emissions limitations (including operating limits, pollution prevention management practices, or operation and maintenance requirements), a statement that there were no deviations from the emissions limitations, pollution prevention management practices, or operation and maintenance requirements during the reporting period.

(5) [Not Applicable. Provision for continuous monitoring system.]

(6) For each affected source or equipment for which there was a deviation from an emissions limitation (including an operating limit, pollution prevention management practice, or operation and maintenance requirement) that occurs at an iron and steel foundry during the reporting period, the compliance report must contain the information specified in paragraphs (c)(6)(i) through (iii) of this section. The requirement in this paragraph (c)(6) includes periods of startup, shutdown, and malfunction.

(i) A list of the affected source or equipment and the total operating time of each emissions source during the reporting period.

(ii) For each deviation from an emissions limitation (including an operating limit, pollution prevention management practice, or operation and maintenance requirement) that occurs at an iron and steel foundry during the reporting period, report:

(A) The date, start time, duration (in hours), and cause of each deviation (characterized as either startup, shutdown, control equipment problem, process problem, other known cause, or unknown cause, as applicable) and the corrective action taken; and

(B) An estimate of the quantity of each regulated pollutant emitted over any emission limit and a description of the method used to estimate the emissions.

(iii) A summary of the total duration (in hours) of the deviations that occurred during the reporting period by cause (characterized as startup, shutdown, control equipment problems, process problems, other known causes, and unknown causes) and the cumulative duration of deviations during the reporting period across all causes both in hours and as a percent of the total source operating time during the reporting period.

(7) [Not Applicable. Provision for continuous monitoring system.]

(8) Identification of which option in §63.10885(b) applies to you. If you comply with the mercury requirements in §63.10885(b) by using one scrap provider, contract, or shipment subject to one compliance provision and others subject to another compliance provision different, provide an identification of which option in §63.10885(b) applies to each scrap provider, contract, or shipment.

(9) [Omitted. The permittee complies with § 63.10885(b)(4), and not § 63.10885(b)(1). If § 63.10885(b)(1) becomes

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applicable, § 63.10899(c)(9) becomes applicable; for its provisions, refer to § 63.10899 under Title 40 - Protection of Environment in www.ecfr.gov.]

(d) You must submit written notification to the Administrator of the initial classification of your new or existing affected source as a large iron and steel facility as required in §63.10880(f) and (g), as applicable, and for any subsequent reclassification as required in §63.10881(d) or (e), as applicable.

(e) Within 60 days after the date of completing each performance test required by this subpart, you must submit the results of the performance test following the procedures specified in paragraphs (e)(1) through (3) of this section.

(1) DATA COLLECTED USING TEST METHODS SUPPORTED BY THE EPA'S ELECTRONIC REPORTING TOOL (ERT) AS LISTED ON THE EPA'S ERT WEBSITE (HTTPS://WWW.EPA.GOV/ELECTRONIC-REPORTING-AIR-EMISSIONS/ELECTRONIC-REPORTING-TOOL-ERT) AT THE TIME OF THE TEST. Submit the results of the performance test to the EPA via the CEDRI, which can be accessed through the EPA's CDX (https://cdx.epa.gov/). The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit an electronic file consistent with the XML schema listed on the EPA's ERT website.

(2) DATA COLLECTED USING TEST METHODS THAT ARE NOT SUPPORTED BY THE EPA'S ERT AS LISTED ON THE EPA'S ERT WEBSITE AT THE TIME OF THE TEST. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

(3) CONFIDENTIAL BUSINESS INFORMATION. The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Anything submitted using CEDRI cannot later be claimed to be CBI. Although we do not expect persons to assert a claim of CBI if you claim some of the information submitted under paragraph (e)(1) or (2) of this section is CBI, you must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in paragraph (e)(1) of this section. All CBI claims must be asserted at the time of submission. Furthermore, under CAA section 114(c) emissions data is not entitled to confidential treatment and requires EPA to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available.

(f) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (f)(1) through (7) of this section.

(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

(2) The outage must have occurred within the period of time beginning 5 business days prior to the date that the submission is due.

(3) The outage may be planned or unplanned.

(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(5) You must provide to the Administrator a written description identifying:

(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

SECTION C. Site Level Requirements

(iii) Measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

(g) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with the reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (g)(1) through (5) of this section. [Reporting]

(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(3) You must provide to the Administrator:

(i) A written description of the force majeure event;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

(iii) Measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56102, Sept. 10, 2020]

VI. WORK PRACTICE REQUIREMENTS.

 # 026 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in § 123.1(a)(1) - (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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 # 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10885]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my management practices for metallic scrap and mercury switches?

[SMALL & LARGE FOUNDRIES]

(a) METALLIC SCRAP MANAGEMENT PROGRAM. For each segregated metallic scrap storage area, bin or pile, you must comply with the materials acquisition requirements in paragraph (a)(1) or (2) of this section. You must keep a copy of the material specifications onsite and readily available to all personnel with material acquisition duties, and provide a copy to each of your scrap providers. You may have certain scrap subject to paragraph (a)(1) of this section and other scrap subject to paragraph (a)(2) of this section at your facility provided the metallic scrap remains segregated until charge make-up.

(1) RESTRICTED METALLIC SCRAP. You must prepare and operate at all times according to written material specifications for the purchase and use of only metal ingots, pig iron, slitter, or other materials that do not include post-consumer automotive body scrap, post- consumer engine blocks, post-consumer oil filters, oily turnings, lead components, chlorinated plastics, or free liquids. For the purpose of this subpart, "free liquids" is defined as material that fails the paint filter test by EPA Method 9095B, "Paint Filter Liquids Test" (revision 2), November 2004 (incorporated by reference --see §63.14). The requirements for no free liquids do not apply if the owner or operator can demonstrate that the free liquid is water that resulted from scrap exposure to rain. Any post-consumer engine blocks, post-consumer oil filters, or oily turnings that are processed and/or cleaned to the extent practicable such that the materials do not include lead components, mercury switches, chlorinated plastics, or free organic liquids can be included in this certification.

(2) GENERAL IRON AND STEEL SCRAP. You must prepare and operate at all times according to written material specifications for the purchase and use of only iron and steel scrap that has been depleted (to the extent practicable) of organics and HAP metals in the charge materials used by the iron and steel foundry. The materials specifications must include at minimum the information specified in paragraph (a)(2)(i) or (ii) of this section.

(i) Except as provided in paragraph (a)(2)(ii) of this section, specifications for metallic scrap materials charged to a scrap preheater or metal melting furnace to be depleted (to the extent practicable) of the presence of used oil filters, chlorinated plastic parts, accessible lead-containing components (such as batteries and wheel weights), and a program to ensure the scrap materials are drained of free liquids.

(ii) For scrap charged to a cupola metal melting furnace that is equipped with an afterburner, specifications for metallic scrap materials to be depleted (to the extent practicable) of the presence of chlorinated plastics, accessible lead-containing components (such as batteries and wheel weights), and a program to ensure the scrap materials are drained of free liquids.

(b) MERCURY REQUIREMENTS. For scrap containing motor vehicle scrap, you must procure the scrap pursuant to one of the compliance options in paragraphs (b)(1), (2), or (3) of this section for each scrap provider, contract, or shipment. For scrap that does not contain motor vehicle scrap, you must procure the scrap pursuant to the requirements in paragraph (b)(4) of this section for each scrap provider, contract, or shipment. You may have one scrap provider, contract, or shipment subject to one compliance provision and others subject to another compliance provision.

(1) SITE-SPECIFIC PLAN FOR MERCURY SWITCHES. [Omitted. The permittee complies with (b)(4). If (b)(1) becomes applicable, refer to § 63.10885 under Title 40 - Protection of Environment in www.ecfr.gov.]

(2) OPTION FOR APPROVED MERCURY PROGRAMS. [Omitted. The permittee complies with (b)(4). If (b)(2) becomes applicable, refer to § 63.10885 under Title 40 - Protection of Environment in www.ecfr.gov.]

(3) OPTION FOR SPECIALTY METAL PROGRAMS. [Omitted. The permittee complies with (b)(4). If (b)(3) becomes applicable, refer to § 63.10885 under Title 40 - Protection of Environment in www.ecfr.gov.]

(4) SCRAP THAT DOES NOT CONTAIN MOTOR VEHICLE SCRAP. For scrap not subject to the requirements in paragraphs (b)(1) through (3) of this section, you must certify in your notification of compliance status and maintain records of documentation that this scrap does not contain motor vehicle scrap.

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[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56101, Sept. 10, 2020]

 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10890]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my management practices and compliance requirements?

[SMALL FOUNDRIES]

(a) You must comply with the pollution prevention management practices for metallic scrap and mercury switches in §63.10885 and binder formulations in §63.10886.

(b) - (c) [See V. Reporting Requirements in Section C of this permit.]

(d) - (e) [See IV. Recordkeeping Requirements in Section C of this permit.]

(f) - (g) [See V. Reporting Requirements in Section C of this permit.]

(h) Following the initial determination for an existing affected source as a small foundry, if the annual metal melt production exceeds 20,000 tons during the preceding year, you must comply with the requirements for large foundries by the applicable dates in §63.10881(d)(1)(i) or (d)(1)(ii). Following the initial determination for a new affected source as a small foundry, if you increase the annual metal melt capacity to exceed 10,000 tons, you must comply with the requirements for a large foundry by the applicable dates in §63.10881(e)(1).

(i) At all times, you 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.

(j) You must comply with the following requirements of the general provisions in subpart A of this part: §§63.1 through 63.5; §63.6(a), (b), and (c); §63.9; §63.10(a), (b)(1), (b)(2)(xiv), (b)(3), (d)(1) and (4), and (f); and §§63.13 through 63.16. Requirements of the general provisions not cited in the preceding sentence do not apply to the owner or operator of a new or existing affected source that is classified as a small foundry.

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56101, Sept. 10, 2020]

 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10896]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my operation and maintenance requirements?

[LARGE FOUNDRIES]

(a) You must prepare and operate at all times according to a written operation and maintenance (O&M) plan for each control device for an emissions source subject to a PM, metal HAP, or opacity emissions limit in §63.10895. You must maintain a copy of the O&M plan at the facility and make it available for review upon request. At a minimum, each plan must contain the following information:

(1) General facility and contact information;

(2) Positions responsible for inspecting, maintaining, and repairing emissions control devices which are used to comply with this subpart;

(3) Description of items, equipment, and conditions that will be inspected, including an inspection schedule for the items, equipment, and conditions. For baghouses that are equipped with bag leak detection systems, the O&M plan must include the site- specific monitoring plan required in §63.10897(d)(2).

(4) Identity and estimated quantity of the replacement parts that will be maintained in inventory; and

SECTION C. Site Level Requirements

(5) [Not Applicable]

(b) You may use any other O&M, preventative maintenance, or similar plan which addresses the requirements in paragraph (a)(1) through (5) of this section to demonstrate compliance with the requirements for an O&M plan.

(c) At all times, you 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.

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56101, Sept. 10, 2020]

VII. ADDITIONAL REQUIREMENTS.

 # 030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following are applicable sections pursuant to § 40 CFR 63 Subpart ZZZZZ incorporated by reference in this permit. For these sections, refer to § 40 CFR 63 Subpart ZZZZZ in Title 40 - Protection of Environment in www.ecfr.gov.

(a) § 63.10906 (What definitions apply to this subpart?)
(b) Table 1 to Subpart ZZZZZ of Part 63 - Performance Test Requirements for New and Existing Affected Sources Classified as Large Foundries.
(c) Table 3 to Subpart ZZZZZ of Part 63 - Applicabilityof General Provisions to New and Existing Affected Sources Classified as Large Foundries.
(d) Table 4 to Subpart ZZZZZ of Part 63 - Compliance Certifications for New and Existing Affected Sources Classified as Large Iron and Steel Foundries.

 # 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10880]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

Am I subject to this subpart?

[SMALL & LARGE FOUNDRIES]

(a) You are subject to this subpart if you own or operate an iron and steel foundry that is an area source of hazardous air pollutant (HAP) emissions.

(b) This subpart applies to each new or existing affected source. The affected source is each iron and steel foundry.

(1) An affected source is existing if you commenced construction or reconstruction of the affected source before September 17, 2007.

(2) An affected source is new if you commenced construction or reconstruction of the affected source on or after September 17, 2007. If an affected source is not new pursuant to the preceding sentence, it is not new as a result of a change in its compliance obligations pursuant to §63.10881(d).

(c) On and after January 2, 2008, if your iron and steel foundry becomes a major source as defined in §63.2, you must meet the requirements of 40 CFR part 63, subpart EEEEE.

(d) [Omitted. Exemption for research and development facilities.]

(e) [Omitted. Exemption from Title V permitting requirements. The permittee is subject to the PA's State-Only permitting requirements.]

(f) If you own or operate an existing affected source, you must determine the initial applicability of the requirements of this subpart to a small foundry or a large foundry based on your facility's metal melt production for calendar year 2008. If the metal melt production for calendar year 2008 is 20,000 tons or less, your area source is a small foundry. If your metal melt production for calendar year 2008 is greater than 20,000 tons, your area source is a large foundry. You must submit a written notification to the Administrator that identifies your area source as a small foundry or a large foundry no later than

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January 2, 2009.

(g) [Not Applicable. Provision for new affected sources.]

 # 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10881]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my compliance dates?

[SMALL & LARGE FOUNDRIES]

(a) If you own or operate an existing affected source, you must achieve compliance with the applicable provisions of this subpart by the dates in paragraphs (a)(1) through (3) of this section.

(1) Not later than January 2, 2009 for the pollution prevention management practices for metallic scrap in §63.10885(a) and binder formulations in §63.10886.

(2) Not later than January 4, 2010 for the pollution prevention management practices for mercury in §63.10885(b).

(3) Except as provided in paragraph (d) of this section, not later than 2 years after the date of your large foundry's notification of the initial determination required in §63.10880(f) for the standards and management practices in §63.10895.

(b) [Not Applicable]

(c) [Not Applicable]

(d) Following the initial determination for an existing affected source required in §63.10880(f),

(1) Beginning January 1, 2010, if the annual metal melt production of your small foundry exceeds 20,000 tons during the preceding calendar year, you must submit a notification of foundry reclassification to the Administrator within 30 days and comply with the requirements in paragraphs (d)(1)(i) or (ii) of this section, as applicable.

(i) If your small foundry has never been classified as a large foundry, you must comply with the requirements for a large foundry no later than 2 years after the date of your foundry's notification that the annual metal melt production exceeded 20,000 tons.

(ii) If your small foundry had previously been classified as a large foundry, you must comply with the requirements for a large foundry no later than the date of your foundry's most recent notification that the annual metal melt production exceeded 20,000 tons.

(2) If your facility is initially classified as a large foundry (or your small foundry subsequently becomes a large foundry), you must comply with the requirements for a large foundry for at least 3 years before reclassifying your facility as a small foundry, even if your annual metal melt production falls below 20,000 tons. After 3 years, you may reclassify your facility as a small foundry provided your annual metal melt production for the preceding calendar year was 20,000 tons or less. If you reclassify your large foundry as a small foundry, you must submit a notification of reclassification to the Administrator within 30 days and comply with the requirements for a small foundry no later than the date you notify the Administrator of the reclassification. If the annual metal melt production exceeds 20,000 tons during a subsequent year, you must submit a notification of reclassification to the Administrator within 30 days and comply with the requirements for a large foundry no later than the date you notify the Administrator of the reclassification.

(e) [Not Applicable]

 # 033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10886]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What are my management practices for binder formulations

[SMALL & LARGE FOUNDRIES]

[Omitted contents. The permittee does not have furfuryl alcohol warm box mold or core making line; therefore, the

SECTION C. Site Level Requirements

methanol requirement of this section for binders does not apply.]

 # 034 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10900]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

What parts of the General Provisions apply to my large foundry?

[LARGE FOUNDRIES]

(a) If you own or operate a new or existing affected source that is classified as a large foundry, you must comply with the requirements of the General Provisions (40 CFR part 63, subpart A) according to Table 3 of this subpart.

(b) If you own or operator a new or existing affected source that is classified as a large foundry, your notification of compliance status required by §63.9(h) must include each applicable certification of compliance, signed by a responsible official, in Table 4 of this subpart.

 # 035 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10905]

Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources

Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by EPA or a delegated authority such as your State, local, or tribal agency. If the EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the EPA Administrator and are not transferred to the State, local, or tribal agency.

(c) The authorities that cannot be delegated to state, local, or tribal agencies are specified in paragraphs (c)(1) through (7) of this section.

(1) Approval of an alternative non-opacity emissions standard under 40 CFR 63.6(g).

(2) Approval of an alternative opacity emissions standard under §63.6(h)(9).

(3) Approval of a major change to test methods under § 63.7(e)(2)(ii) and (f). A “major change to test method” is defined in § 63.90.

(4) Approval of a major change to monitoring under § 63.8(f). A “major change to monitoring” under is defined in § 63.90.

(5) Approval of a major change to recordkeeping and reporting under § 63.10(f). A “major change to recordkeeping/reporting” is defined in §63.90.

(6) Approval of a local, State, or national mercury switch removal program under § 63.10885(b)(2).

(7) Approval of an alternative to any electronic reporting to the EPA required by this subpart.

[73 FR 252, Jan. 2, 2008, as amended at 85 FR 56104, Sept. 10, 2020]

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

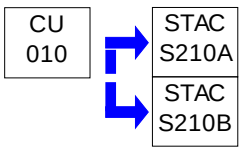
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 010 Source Name: HEAT TREATING FURNACES (2)

Source Capacity/Throughput: 12.000 MMBTU/HR
12.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: FURNACES & HEATERS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

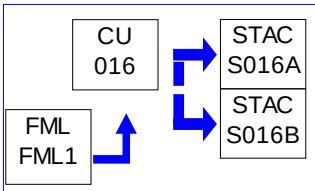
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 016 Source Name: PAINT BOOTH PREHEATER & MISC. SPACE HEAT

Source Capacity/Throughput: 4.700 MMBTU/HR
4.700 MCF/HR Natural Gas

Conditions for this source occur in the following groups: FURNACES & HEATERS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

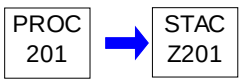
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 201 Source Name: ELEC.INDUCTION FURNACES (3)

Source Capacity/Throughput: 9.000 Tons/HR SCRAP METAL



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 202 Source Name: INOCULATION OPERATIONS

Source Capacity/Throughput: 9.000 Tons/HR MOLTEN IRON

Conditions for this source occur in the following groups: PROCESSES - 0.02-GR/DSCF PM LIMIT

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

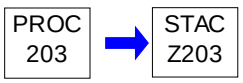
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 203 Source Name: POURING & COOLING

Source Capacity/Throughput: 9.000 Tons/HR IRON



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 204 Source Name: SHAKEOUT

Source Capacity/Throughput: 9.000 Tons/HR IRON CASTINGS

Conditions for this source occur in the following groups: PROCESSES - 0.02-GR/DSCF PM LIMIT

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 204B Source Name: SHAKER DECK

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PROCESSES - 0.02-GR/DSCF PM LIMIT

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 205 Source Name: FINISHING OPERATIONS - WHEELABRATOR

Source Capacity/Throughput: 9.000 Tons/HR IRON CASTINGS

Conditions for this source occur in the following groups: PROCESSES - 0.04-GR/DSCF PM LIMIT

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

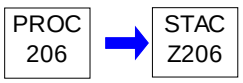
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 206 Source Name: CORE & MOLD PRODUCTION

Source Capacity/Throughput: 9.000 Tons/HR IRON CASTINGS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The following conditions apply to the use of the resins and catalysts used in the production of cores and molds.

(a) The resin(s) and/or catalyst(s) used in the production of cores and molds shall be stored in covered containers.

(b) Spillage and splashing during the transfer of resin or catalyst from containers shall be minimized by all practical means.

[PA 43-036A, Source 206, Condition #003.]

VII. ADDITIONAL REQUIREMENTS.

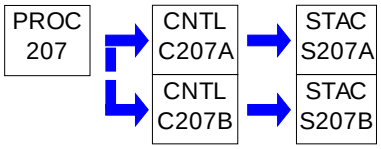
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 207 Source Name: SPRAY PAINTING

Source Capacity/Throughput: 0.500 Lbs/HR VOC IN COATING

Conditions for this source occur in the following groups: 25 PA. CODE § 129.52
25 PA. CODE § 129.52D



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall inspect the panel filters on the exhaust system of the paint booth, prior to each day's use. A log of these daily checks shall be maintained and be made available to the Department upon request.

(b) The permittee shall maintain onsite at all times, for emergency replacement, a full set of replacement panel filters for this source.

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

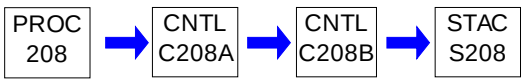
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 208 Source Name: WOOD PATTERN PRODUCTION

Source Capacity/Throughput: 50.000 Lbs/HR WOOD & STYROFOAM

Conditions for this source occur in the following groups: PROCESSES - 0.04-GR/DSCF PM LIMIT



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

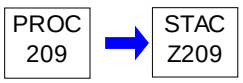
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 209 Source Name: MOLD WASH / FLOW COATING

Source Capacity/Throughput: 79.000 Lbs/HR VOC IN COATING



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records sufficient to demonstrate compliance with the VOC limits for this facility. At a minimum, a facility shall maintain daily records of the gallons of coating used, the coating density before and after addition of diluents, the gallons of diluents used and the density of the diluents, the gallons of water contained in the coating and the weight percent of the organic volatiles in the coating. The records shall be maintained for 5 years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

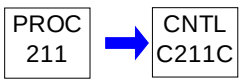
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 211 Source Name: SAND RECLAMATION

Source Capacity/Throughput: 25.000 Tons/HR SAND



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emission of particulate matter from the source into the atmosphere shall not exceed 0.005 grains per dry standard cubic foot (filterable).

[PA 43-036C, Source 211, Condition #001]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner/operator shall install, maintain, operate, and calibrate (as recommended by the manufacturer) a magnehelic pressure gauge (or equivalent) at a conveniently readable location to measure the pressure drop across the collector. The gauge shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale.

(b) The owner/operator shall perform a monthly preventative maintenance (PM) inspection of the control device.

(c) The owner/operator shall measure pressure drop across the filter. Pressure drop readings shall occur at a minimum of once per week.

(d) The owner/operator shall perform a weekly visible inspection of the dust collector's exhaust for the presence of visible emissions. This shall occur at a minimum of once per week.

[PA 43-036C, Source 211, Condition #002]

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Sufficient data shall be recorded, in a format approved by the Department, so that compliance can be determined by the Department.

(b) An inventory of spare bags shall be kept onsite and shall be updated a minimum of once every 6 months.

(c) All logs and required records shall be maintained on site for a minimum of five years and shall be made available to the Department upon request.

(d) The owner/operator shall maintain a preventative maintenance inspection log documenting the following at a minimum:
(1) Name, title, and signature of the inspector.
(2) Inspection procedures.

SECTION D. Source Level Requirements

(3) Time and date of inspection.
(4) Pressure drop taken during the inspection.
(5) Observations made and any corrective actions taken.
(6) A monthly visual inspection of the dust collector interior for dislodged filters, wear, and dust build-up inside of the housing.
(7) All other maintenance activities which shall be performed on the fabric collector at the frequency recommended by the manufacturer.

(e) The owner/operator shall record pressure drop readings across the filter media, as measured in inches of water. This shall occur at a minimum of once per week and shall be recorded in a log. The record shall include at a minimum:
(1) Time and date of observation.
(2) Name, title, and signature of the observer or alternatively the data acquisition software used.
(3) The observation made.
(4) Any corrective action taken as result of the observation.

(f) The owner/operator shall perform a weekly visible inspection of the dust collector's effluent for the presence of visible emissions. This shall occur at a minimum of once per week and shall be recorded in a log. The record shall include at a minimum:
(1) Time and date of observation
(2) Name, title, and signature of the observer
(3) The observation made
(4) Any corrective action taken as result of the observation

[PA 43-036C, Source 211, Condition #003]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner/operator shall operate the source in a manner such as to minimize fugitive emissions. This shall include the minimization of spilt material or any other material collecting outside the process equipment.

(b) The owner/operator shall operate the source and its air cleaning device in accordance with manufacturer's specifications and with good air pollution control practice.

(c) A copy of both the control device and the filter media manufacturer's operational and maintenance guide/literature shall be kept onsite at the control device at all times.

(d) The control device associated with this source shall be in operation at all times that the source is in operation.

(e) The permittee shall at all times maintain on site an inventory of bags which is equal to or greater than 25% of the control device's bag capacity.

[PA 43-036C, Source 211, Condition #004]

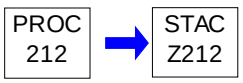
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 212 Source Name: BINDER/RESIN STORAGE TANKS

Source Capacity/Throughput:	1.000	Gal/HR	FURAN RESIN
	1.000	Gal/HR	FURAN RESIN



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In order to demonstrate ongoing exemption from the storage tank regulations, the permittee shall maintain records of the contents of the storage tanks covered under this source.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

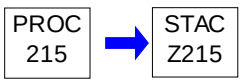
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 215 Source Name: PATTERN COATING

Source Capacity/Throughput: 65.000 Lbs/HR VOC IN COATING



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The coatings used for pattern coating shall not have greater than 3.5 pounds of VOCs per gallon of coating, as applied.

[Authority for this condition is also derived from 25 Pa Code § 129.91 (RACT Permit 43-036, Condition #9).]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records sufficient to demonstrate compliance with the VOC limits for this source. At a minimum, a facility shall maintain daily records of the gallons of coating used, the coating density before and after addition of diluents, the gallons of diluents used and the density of the diluents, the gallons of water contained in the coating and the weight percent of the organic volatiles in the coating. The records shall be maintained for 5 years and shall be made available to the Department upon request.

[Authority for this condition is also derived from 25 Pa. Code § 129.95.]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 216 Source Name: CORE ROOM OVEN & LADLE PRE-HEATING

Source Capacity/Throughput: 5.000 MCF/HR Natural Gas

PROC 216 → STAC Z216

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 230 Source Name: MAINTENANCE DEGREASERS

Source Capacity/Throughput:

PROC 230 → STAC Z230

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §129.63]

Degreasing operations

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C
(68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) - (e) [Do not apply]

VII. ADDITIONAL REQUIREMENTS.

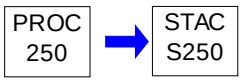
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 250 Source Name: 50 KW EMERGENCY POWER GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: POWER GENERATORS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2d]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

[Source 250 meets category (5) of Table 2d.]

FOR EACH...

(5) Emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE > 500 HP that operate 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE > 500 HP that operate 24 hours or less per calendar year. [Footnote (2)]

YOU MUST MEET THE FOLLOWING REQUIREMENT, EXCEPT DURING PERIODS OF STARTUP...

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first; [Footnote (1)]

(b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

SECTION D. Source Level Requirements

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

DURING PERIODS OF STARTUP YOU MUST....
Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[Footnotes:
(1) Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart.

(2) If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.]

[78 FR 6709, Jan. 30, 2013]

[Categories (1) to (4), (6) to (13) do not apply.]

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

(b) - (f) [Not Applicable]

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 251 Source Name: 400 KW EMERGENCY POWER GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: POWER GENERATORS

PROC 251 → STAC S251

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2d]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

[Source 251 meets category (4) of Table 2d.]

FOR EACH...

(4) Emergency stationary CI RICE and black start stationary CI RICE. [Footnote (2)]

YOU MUST MEET THE FOLLOWING REQUIREMENT, EXCEPT DURING PERIODS OF STARTUP...

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first; [Footnote (1)]

(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

SECTION D. Source Level Requirements

DURING PERIODS OF STARTUP YOU MUST....
Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[Footnotes:
(1) Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart.

(2) If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.]

[78 FR 6709, Jan. 30, 2013]

[Categories (1) to (3), (5) to (13) do not apply.]

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

(b) - (f) [Not Applicable]

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 301 Source Name: DRY ABRASIVE BLASTING OPERATION

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Neither the particulate matter nor the PM10 (particulate matter with an aerodynamic diameter of 10 microns or less) emissions from the exhaust of the fabric collector (baghouse) or cartridge collector shall exceed .005 grains per dry standard cubic foot of effluent gas volume.

(b) There shall be no visible air contaminant emissions from the exhaust of the fabric collector (baghouse) or cartridge collector other than water vapor or steam.

(c) No fugitive air contaminant emissions shall be generated as a result of removing collected dust from the fabric collector (baghouse) or cartridge collector or as a result of subsequently handling the collected dust on-site following its removal from the collector.

[Paragraphs (a), (b), & (c) of this condition are GP-19 (2700-PM-AQ0025), Rev. 8/2006, Condition #13(b)(ii), (iii), & (iv), respectively.]

Control Device Efficiency Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All fugitive air contaminant emissions generated within the enclosed machine, permanently located building or permanently located enclosure in which the dry abrasive blasting operation is performed shall be captured and ducted to an appropriately-designed fabric collector (baghouse) or cartridge collector. A specific fabric collector (baghouse) or cartridge collector shall be accepted by the Department as "appropriately-designed" only if the Department determines it to be based upon the information provided by the applicant and any other pertinent information available to the Department.

[GP-19 (2700-PM-AQ0025), Rev. 8/2006, Condition #13(b)(i).]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall observe once a day for any visible emissions from the fabric collector (baghouse) or cartridge collector. If any visible emissions are observed, the permittee shall take immediate action to eliminate the emissions.

(b) Pursuant to 25 Pa. Code § 135.5 (relating to recordkeeping), air contamination source owners or operators shall maintain and make available upon request by the Department such records as may be necessary to comply with 25 Pa. Code § 135.3 (relating to reporting). These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

[GP-19 (2700-PM-AQ0025), Rev. 8/2006, Condition #15(a) & (b).]

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall notify the Department by telephone within 24 hours of the discovery of any malfunction of a dry abrasive blasting operation operating pursuant to this General Permit, or any malfunction of an associated fabric collector (baghouse) or cartridge collector, which results in, or may possibly be resulting in, the emission of air contaminants in excess of any applicable limitation specified herein or in excess of the limitations specified in any applicable rule or regulation contained in 25 Pa. Code, Chapters 121 through 145, or which otherwise results in, or may possibly be resulting in, noncompliance with the requirements specified in any applicable condition of this General Permit. If the permittee is unable to provide notification to the appropriate Regional Office within 24 hours of discovery due to a weekend or holiday, the notification shall be made to the Department by no later than 4 p.m. on the first business day for the Department following the respective weekend or holiday. The permittee shall additionally provide whatever subsequent written report the Department may request regarding any reported malfunction.

[GP-19 (2700-PM-AQ0025), Rev. 8/2006, Condition #6.]

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) This source and its associated control device shall be operated and maintained in a manner consistent with good operating practices and in accordance with the manufacturer's specifications.

(b) The fabric collector (baghouse) or cartridge collector shall be equipped with instrumentation to monitor the differential pressure across the collector on a continuous basis.

(c) If compressed air is needed for the operation of the fabric collector (baghouse) or cartridge collector, the compressed air supply shall be equipped with an air dryer and an oil trap.

(d) The permittee shall keep on hand a sufficient quantity of spare fabric collector (baghouse) bags or cartridge collector cartridges in order to immediately replace any bags or cartridges requiring replacement due to deterioration resulting from routine operation.

[Paragraph (a) is Condition #4(b) & (c) and paragraphs (b), (c), & (d) are Condition #13(b)(v), (b)(vi), & (b)(vii) of GP-19 (2700-PM-AQ0025) Rev. 8/2006.]

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION E. Source Group Restrictions.

Group Name: 25 PA. CODE § 129.52

Group Description: Total VOC from surface coating operations & related cleaning has not exceeded 2.7 TPY.

Sources included in this group

ID	Name
207	SPRAY PAINTING

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Implementation of 25 Pa. Code §§ 129.52 and 129.52d]

(a) If the facility-wide VOC emissions from miscellaneous metal parts surface coating is below 2.7 tons per 12-month rolling period, the permittee must comply with either (1) or (2) of this paragraph:

(1) § 129.52, included in the current source group (25 PA. CODE § 129.52).

(2) § 129.52d, included in Section E of this operating permit under the Source Group 25 PA. CODE § 129.52D. Pursuant to § 129.52d(a)(3), compliance with § 129.52d assures compliance with § 129.52.

(b) Once the 2.7 tons per 12-month rolling period threshold is triggered, the permittee must comply with § 129.52d.

 # 002 [25 Pa. Code §129.52]

Surface coating processes

(a) This section applies to a surface coating process category, regardless of the size of the facility, which emits or has emitted VOCs into the outdoor atmosphere in quantities greater than 3 pounds (1.4 kilograms) per hour, 15 pounds (7 kilograms) per day or 2.7 tons (2,455 kilograms) per year during any calendar year since January 1, 1987.

(b) A person may not cause or permit the emission into the outdoor atmosphere of VOCs from a surface coating process category listed in Table I, unless one of the following limitations is met:

(1) The VOC content of each as applied coating is equal to or less than 6.67 lbs VOC per gallon coating solids.

[Under Table I, surface coating process category of (10) Miscellaneous metal parts & products, (e) air-dried coatings.]

(i) The VOC content of the as applied coating, expressed in units of weight of VOC per volume of coating solids, shall be calculated as follows:

VOC = (Wo)(Dc)/Vn

Where:

VOC = VOC content in lb VOC/gal of coating solids

Wo = Weight percent of VOC (Wv-Ww-Wex)

Wv = Weight percent of total volatiles (100%-weight percent solids)

Ww = Weight percent of water

Wex = Weight percent of exempt solvent(s)

Dc = Density of coating, lb/gal, at 25°C

Vn = Volume percent of solids of the as applied coating

SECTION E. Source Group Restrictions.

(ii) - (iii) [Not Applicable]

(iv) Sampling and testing shall be done in accordance with the procedures and test methods specified in Chapter 139 (relating to sampling and testing).

(2) [Not Applicable]

(c) [See IV. Recordkeeping Requirements]

(d) The solvents methyl chloroform (1,1,1-trichloroethane) and methylene chloride are exempt from control under this section and § 129.67 (relating to graphic arts systems). A surface coating process which seeks to comply with this section through the use of an exempt solvent may not be included in any alternative standards.

(e) If more than one emission limitation under miscellaneous metal parts and products applies to a specific coating, the least stringent emission limitation applies.

(f) [Not Applicable]

(g) [See IV. Recordkeeping Requirements]

(h) The VOC standards in Table I do not apply to a coating used exclusively for determining product quality and commercial acceptance, touch-up and repair and other small quantity coatings if the coating meets the following criteria:

(1) The quantity of coating used does not exceed 50 gallons per year for a single coating and a total of 200 gallons per year for all coatings combined for the facility.

(2) The owner or operator of the facility requests, in writing, and the Department approves, in writing, the exemption prior to use of the coating.

(i) - (k) [Not Applicable]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code § 129.52d(f)(2)]

To demonstrate exemption from § 129.52d:

(a) The permittee shall keep monthly VOC emissions from surface coating operations and related cleaning activities.

(1) Surface coating-related cleaning activities include surface preparation/cleaning prior coating and cleaning of coating application equipment.

(b) Compute the total 12-month rolling totals of VOC emissions from surface coating operations and related cleaning activities by adding the present monthly emission, computed in (a), to the monthly emission totals from the previous eleven (11) months.

SECTION E. Source Group Restrictions.

 # 004 [25 Pa. Code §129.52]

Surface coating processes

(a) & (b) [See I. Restrictions, Emission Restrictions]

(c) A facility, regardless of the facility's annual emission rate, which contains surface coating processes shall maintain records sufficient to demonstrate compliance with this section. At a minimum, a facility shall maintain daily records of :

(1) The following parameters for each coating, thinner and other component as supplied:

(i) The coating, thinner or component name and identification number.

(ii) The volume used.

(iii) The mix ratio.

(iv) The density or specific gravity.

(v) The weight percent of total volatiles, water, solids and exempt solvents.

(vi) The volume percent of solids for Table I surface coating process categories 1-10.

(2) The VOC content of each coating, thinner and other component as supplied.

(3) The VOC content of each as applied coating.

(d) - (f) [See I. Restrictions, Emission Restrictions]

(g) The records shall be maintained for 5 years and shall be submitted to the Department on a schedule reasonably prescribed by the Department.

(h) [See I. Restrictions, Emission Restrictions]

(i) - (k) [Not Applicable]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION E. Source Group Restrictions.

Group Name: 25 PA. CODE § 129.52D

Group Description: Total VOC from surface coating operations & related cleaning exceeded 2.7 TPY.

Sources included in this group

ID	Name
207	SPRAY PAINTING

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If the facility-wide VOC emissions is below 2.7 tons per 12-month rolling period, the permittee must comply with either (1) or (2) of this paragraph:

(1) § 129.52, included in the current source group (25 PA. CODE § 129.52).

(2) § 129.52d, included in the current source group (25 PA. CODE § 129.52D). Pursuant to § 129.52d(a)(3), compliance with § 129.52d assures compliance with § 129.52.

(b) Once the 2.7 tons per 12-month rolling period threshold is triggered, the permittee must comply with § 129.52d.

 # 002 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surfa

(d) EMISSION LIMITATIONS. Beginning January 1, 2017, a person subject to subsection (a)(1) may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless emissions of VOCs are controlled in accordance with paragraph (1), (2) or (3).

(1) COMPLIANT MATERIALS OPTION. The VOC content of each miscellaneous metal part coating or each miscellaneous plastic part coating, as applied, excluding water and exempt compounds, is equal to or less than the VOC content limit for the applicable coating category specified in the applicable table of VOC content limits in Tables I—V.

(2) COMBINATION OF COMPLIANT MATERIALS, VOC EMISSIONS CAPTURE SYSTEM AND ADD-ON AIR POLLUTION CONTROL DEVICE OPTION. [Not Applicable]

(3) VOC EMISSIONS CAPTURE SYSTEM AND ADD-ON AIR POLLUTION CONTROL DEVICE OPTION. [Not Applicable]

(4) LEAST RESTRICTIVE VOC LIMIT. If more than one VOC content limit or VOC emission rate limit applies to a specific coating, then the least restrictive VOC content limit or VOC emission rate limit applies.

(5) COATINGS NOT LISTED IN TABLE I, II, VI or VII. For a miscellaneous metal part or miscellaneous plastic part coating that does not meet the coating categories listed in Table I, II, VI or VII, the VOC content limit or VOC emission rate limit shall be determined by classifying the coating as a general one component coating or general multicomponent coating. The corresponding general one component coating or general multicomponent coating limit applies.

(6) [Not Applicable]

(k) MEASUREMENTS AND CALCULATIONS. To determine the properties of a coating or component used in a miscellaneous metal parts surface coating process or miscellaneous plastic parts surface coating process, measurements and calculations shall be performed according to one or more of the following:

(2) Manufacturer's formulation data.

[For items (1), (3) to (6), please refer to § 129.52d(k) under Title 25 - Environmental Protection in www.pacodeandbulletin.gov.]

[Other provisions of § 129.52d are incorporated under appropriate sections of this source group.]

SECTION E. Source Group Restrictions.

 # 003 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surf

TABLE I. VOC CONTENT LIMITS FOR METAL PARTS AND SURFACE COATINGS
Weight of VOC per Volume Coating, Less Water & Exempt Compounds as Applied

COATING CATEGORY	AIR DRIED		BAKED	
	kg VOC/ liter coating	lb VOC/ gal coating	kg VOC/ liter coating	lb VOC/ gal coating
General One-component	0.34	2.8	0.28	2.3
General Multicomponent	0.34	2.8	0.28	2.3
Camouflage	0.42	3.5	0.42	3.5
Electric-insulating Varnish	0.42	3.5	0.42	3.5
Etching Filler	0.42	3.5	0.42	3.5
Extreme High-gloss	0.42	3.5	0.36	3.0
Extreme Performance	0.42	3.5	0.36	3.0
Heat-resistant	0.42	3.5	0.36	3.0
High-performance Architectural	0.74	6.2	0.74	6.2
High-temperature	0.42	3.5	0.42	3.5
Metallic	0.42	3.5	0.42	3.5
Military Specification	0.34	2.8	0.28	2.3
Mold-seal	0.42	3.5	0.42	3.5
Pan-backing	0.42	3.5	0.42	3.5
Prefabricated Architectural Multicomponent	0.42	3.5	0.28	2.3
Prefabricated Architectural One-component	0.42	3.5	0.28	2.3
Pretreatment	0.42	3.5	0.42	3.5
Touch-up and Repair	0.42	3.5	0.36	3.0
Silicone-release	0.42	3.5	0.42	3.5
Solar-absorbent	0.42	3.5	0.36	3.0
Vacuum-metalizing	0.42	3.5	0.42	3.5
Drum Coating, New, Exterior	0.34	2.8	0.34	2.8
Drum Coating, New, Interior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Exterior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Interior	0.50	4.2	0.50	4.2

[Only § 129.52d's VOC content limits for metal parts and products (Table I) are incorporated into the permit. This is based on surface coating process category applicable to the permittee pursuant to § 129.52 (i.e., miscellaneous metal parts & products, air-dried). For Tables II to V (i.e., plastic parts & products; automative/transportation & business machine plastic parts; pleasure craft; motor vehicle materials), the permittee may refer to § 129.52d under Title 25 - Environmental Protection in www.pacodeandbulletin.gov.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION E. Source Group Restrictions.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.

(f) RECORDKEEPING AND REPORTING REQUIREMENTS.

(1) The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to subsection (a)(1) shall maintain monthly records sufficient to demonstrate compliance with this section. The records must include the following information:

(i) The following parameters for each coating, thinner, component and cleaning solvent as supplied:

(A) Name and identification number of the coating, thinner, other component or cleaning solvent.

(B) Volume used.

(C) Mix ratio.

(D) Density or specific gravity.

(E) Weight percent of total volatiles, water, solids and exempt solvents.

(F) Volume percent of total volatiles, water and exempt solvents for the applicable table of limits in Tables I—V.

(G) [Not Applicable]

(ii) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.

(iii) The VOC content of each as applied coating or cleaning solvent.

(iv) The calculations performed for each applicable requirement under subsections (d) and (e).

(v) The information required in a plan approval issued under subsection (e)(2).

(2) [Compliance with a recordkeeping requirement under Source Group 25 PA. CODE § 129.52, in Section E of this permit, assures compliance with this condition.]

(3) The records shall be maintained onsite for 5 years. [The 2-year recordkeeping requirement of § 129.52d(f) is replaced by the 5-year recordkeeping requirement in Section B of this permit.]

(4) The records shall be submitted to the Department in an acceptable format upon receipt of a written request from the Department.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.

(g) COATING APPLICATION METHODS. A person subject to subsection (a)(1) may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless the coatings are applied using one or more of the following coating application methods:

(1) Electrostatic coating.

SECTION E. Source Group Restrictions.

(2) Flow coating.

(3) Dip coating, including electrodeposition.

(4) Roll coating.

(5) High volume-low pressure (HVLP) spray coating.

(6) Airless spray coating.

(7) Air-assisted airless spray coating.

(8) Other coating application method if approved in writing by the Department prior to use.

(i) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spray coating.

(ii) The owner or operator shall submit the request for approval to the Department in writing.

 # 006 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.

(i) WORK PRACTICE REQUIREMENTS FOR COATING-RELATED ACTIVITIES. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to subsection (a)(1) shall comply with the following work practices for coating-related activities:

(1) Store all VOC-containing coatings, thinners or coating-related waste materials in closed containers.

(2) Ensure that mixing and storage containers used for VOC-containing coatings, thinners or coating-related waste materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.

(3) Minimize spills of VOC-containing coatings, thinners or coating-related waste materials and clean up spills immediately.

(4) Convey VOC-containing coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.

 # 007 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.

(j) WORK PRACTICE REQUIREMENTS FOR CLEANING MATERIALS. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit subject to subsection (a)(1) shall comply with the following work practices for cleaning materials:

(1) Store all VOC-containing cleaning materials and used shop towels in closed containers.

(2) Ensure that mixing vessels and storage containers used for VOC-containing cleaning materials are kept closed at all times except when depositing or removing these materials.

(3) Minimize spills of VOC-containing cleaning materials and clean up spills immediately.

(4) Convey VOC-containing cleaning materials from one location to another in closed containers or pipes.

(5) Minimize VOC emissions from cleaning of application, storage, mixing or conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §129.52d]

Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.

(a) APPLICABILITY.

(1) This section applies to the owner and operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, if the total actual VOC emissions from all miscellaneous metal part coating units and miscellaneous plastic part coating units, including related cleaning activities, at the facility are equal to or greater than 2.7 tons per 12-month rolling period, before consideration of controls.

(2) This section applies, as specified, to the owner and operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, if the total actual VOC emissions from all miscellaneous metal part coating units and miscellaneous plastic part coating units, including related cleaning activities, at the facility are below 2.7 tons per 12-month rolling period, before consideration of controls.

(3) Compliance with the VOC emission limits and other requirements of this section assures compliance with the VOC emission limits and other requirements of § 129.52 (relating to surface coating processes) for the miscellaneous metal parts and products surface coating processes as specified in § 129.52, Table I, Category 10.

(4) [Not Applicable]

(5) This section does not apply to an owner or operator in the use or application of the following:

(i) Aerosol coatings that meet the requirements of 40 CFR Part 59, Subpart E (relating to National volatile organic compound emission standards for aerosol coatings).

(ii) Aerospace coatings.

(iii) Architectural coatings.

(iv) Automobile refinishing coatings.

(v) Auto and light-duty truck assembly coatings.

(vi) Can, coil or magnet wire coatings.

(vii) Coating applied to a test panel or coupon, or both, in research and development, quality control or performance testing activities, if records are maintained as required under subsections (e) and (f).

(viii) Fiberglass boat manufacturing materials.

(ix) Flat wood paneling coatings.

(x) Large appliance coatings.

(xi) Metal furniture coatings.

(xii) Miscellaneous industrial adhesives.

(xiii) Paper, film and foil coatings.

(xiv) Shipbuilding and repair coatings.

(xv) Wood furniture coatings.

(b) DEFINITIONS. The following words and terms, when used in this section, have the following meanings unless the context clearly indicates otherwise:

SECTION E. Source Group Restrictions.

AIR-DRIED COATING—A coating that is cured or dried at a temperature below 90°C (194°F).

BAKED COATING—A coating cured at a temperature at or above 90°C (194°F).

CLEANING MATERIAL OR CLEANING SOLVENT—A material used during cleaning activities or cleaning operations to remove residue or other unwanted materials from equipment.

CLEAR COATING—
(i) A colorless coating that contains binders, but no pigment, and is formulated to form a transparent film.
(ii) The term includes a transparent coating that uses the undercoat as a reflectant base or undertone color.

COATING—
(i) A material applied onto or into a substrate for protective, decorative or functional purposes.
(ii) The term includes paints, sealants, caulks, primers, inks and maskants.
(iii) The term does not include protective oils, acids or bases, or combinations of these materials.

COATING UNIT—A series of one or more coating applicators and associated drying area or oven or both wherein a coating is applied and dried or cured, or both. The unit ends at the point where the coating is dried or cured, or prior to subsequent application of a different coating.

DRUM—A cylindrical metal shipping container larger than 12 gallons capacity but not larger than 110 gallons capacity.

ELECTRIC-INSULATING VARNISH—A non-convertible-type coating applied to electric motors, components of electric motors or power transformers to provide electrical, mechanical or environmental protection or resistance.

ETCHING FILLER—A coating that contains less than 23% solids by weight and at least 0.5% acid by weight, and is used instead of applying a pretreatment coating followed by a primer.

EXTREME HIGH-GLOSS COATING—A coating that achieves the following:
(i) For miscellaneous metal part surface coatings or miscellaneous plastic part surface coatings, other than pleasure craft surface coatings, a coating when tested by the American Society for Testing Material Test Method D-523-08 shows a reflectance of at least 75% on a 60° meter.
(ii) For pleasure craft surface coatings, a coating that shows a reflectance of at least 90% on a 60° meter when tested by American Society for Testing Material Test Method D-523-08.

EXTREME-PERFORMANCE COATING—
(i) A coating used on a metal or plastic surface where the coated surface is, in its intended use, subject to one or more of the following:
(A) Chronic exposure to corrosive, caustic or acidic agents, chemicals, chemical fumes, chemical mixtures or solutions.
(B) Repeated exposure to temperatures in excess of 250°F.
(C) Repeated heavy abrasion, including mechanical wear and repeated scrubbing with industrial grade solvents, cleansers or scouring agents.
(ii) The term includes coatings applied to locomotives, railroad cars, farm machinery and heavy duty trucks.

HEAT-RESISTANT COATING—A coating that must withstand a temperature of at least 400°F during normal use.

HIGH BAKE COATING—A coating designed to cure only at temperatures of more than 90°C (194°F).

HIGH GLOSS COATING—A coating that achieves at least 85% reflectance on a 60° meter when tested by ASTM Method D-523-08.

HIGH-PERFORMANCE ARCHITECTURAL COATING—A coating used to protect aluminum architectural subsections and which meets the requirements of the American Architectural Manufacturers Association's publication number AAMA 2604 (Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels) or 2605 (Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels), including updates and revisions.

SECTION E. Source Group Restrictions.

HIGH-TEMPERATURE COATING—A coating certified to withstand a temperature of 1,000°F for 24 hours.

METAL PARTICLES—Pieces of a pure elemental metal or a combination of elemental metals.

METALLIC COATING—A coating that contains more than 5 grams of metal particles per liter of coating as applied.

MILITARY SPECIFICATION COATING—A coating that has a formulation approved by a United States Military Agency for use on military equipment.

MISCELLANEOUS METAL PARTS AND MISCELLANEOUS PLASTIC PARTS—Metal or plastic components of parts or products, as well as the parts or products themselves, constructed either entirely or partially from metal or plastic, or both, including the following:

(i) Fabricated metal products.

(ii) - (xxi) [Refer to § 129.52d(b) under Title 25 – Environmental Protection in www.pacodeandbulletin.gov.]

MOLD-SEAL COATING—The initial coating applied to a new or repaired mold to provide a smooth surface that when coated with a mold-release coating prevents products from sticking to the mold.

MULTICOMPONENT COATING—A coating requiring the addition of a separate reactive resin, commonly known as a catalyst or hardener, before application to the substrate to form an acceptable dry film.

ONE-COMPONENT COATING—A coating that is ready for application as it comes out of its container to form an acceptable dry film. A thinner may be added to reduce the viscosity, but is not considered a component.

PAN-BACKING COATING—A coating applied to the surface of pots, pans or other cooking implements that are exposed directly to a flame or other heating element.

POWDER COATING—A coating applied as a dry, finely divided solid that, when melted and fused, adheres to the substrate as a paint film.

PREFABRICATED ARCHITECTURAL COMPONENT COATING—A coating applied to a prefabricated metal part or product if the part or product is to be used as an architectural appurtenance or structure. The appurtenance is detached from the structure when coated in a shop setting.

PRETREATMENT COATING—A coating that contains no more than 12% solids by weight and at least 0.5% acid by weight that is used to provide surface etching and that is applied directly to metal surfaces to provide corrosion resistance, adhesion and ease of stripping.

TWO-COMPONENT COATING—A coating requiring the addition of a separate reactive resin, commonly known as a catalyst, before application to form an acceptable dry film.

VACUUM-METALIZING COATING—A coating meeting either of the following:

(i) An undercoat applied to a substrate on which the metal is deposited prior to a vacuum-metalizing process.

(ii) An overcoat applied directly to the metal film after a vacuum-metalizing process.

VACUUM-METALIZING PROCESS—The process of evaporating metals inside a vacuum chamber and depositing them on a substrate to achieve a uniform metalized layer.

[For the rest of the terminology used in this section, please refer to § 129.52d(b) under Title 25 - Environmental Protection in www.pacodeandbulletin.gov.]

(c) EXISTING RACT PERMIT. The requirements of this section supersede the requirements of a RACT permit issued under §§ 129.91 - 129.95 (relating to stationary sources of NOx and VOCs) to the owner or operator of a source subject to subsection (a) prior to January 1, 2017, to control, reduce or minimize VOCs from a miscellaneous metal part or miscellaneous plastic part surface coating process, except to the extent the RACT permit contains more stringent requirements.

SECTION E. Source Group Restrictions.

(d) [See I. Restrictions for this source group.]

(e) COMPLIANCE AND MONITORING REQUIREMENTS.

(1) ALL OWNERS AND OPERATORS. Regardless of the facility's VOC emissions, the owner or operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, subject to subsection (a)(1) or (2), shall comply with this section as specified throughout this section. For an owner or operator subject only to subsection (a)(2), the compliance requirements are the recordkeeping requirements in subsection (f)(2).

(2) VOC EMISSIONS CAPTURE SYSTEM AND ADD-ON AIR POLLUTION CONTROL DEVICE. [Not Applicable]

(f) [See IV. Recordkeeping Requirements for this source group.]

(g) [See VI. Work Practice Requirements for this source group.]

(h) EXEMPT COATINGS AND EXEMPT COATING UNIT OPERATIONS.

(1) The requirements of subsections (d) and (g) do not apply to the application of the following coatings to a metal part:

(i) Stencil coating.

(ii) Safety-indicating coating.

(iii) Solid-film lubricant.

(iv) Electric-insulating and thermal-conducting coating.

(v) Magnetic data storage disk coating.

(vi) Plastic extruded onto metal parts to form a coating.

(vii) Powder coating.

(2) [Not Applicable. Provisions related to coatings to a plastic part.]

(3) [Not Applicable. Provisions related to coatings to automotive-transportation & business machine parts.]

(4) The requirements of subsection (g) do not apply to the following activities:

(i) Application of a touch-up coating, repair coating or textured finish to a metal part.

(ii) Application of a powder coating to the following:

(A) Plastic part.

(B) Automotive-transportation plastic part.

(C) Business machine plastic part.

(iii) Airbrush application of coating to a metal part or plastic part using no more than 5 gallons of coating per year.

(iv) [Not Applicable]

(v) Application of extreme high-gloss coating in a pleasure craft surface coating operation.

(i) - (j) [See VI. Work Practice Requirements]

SECTION E. Source Group Restrictions.

Group Name: FURNACES & HEATERS

Group Description: Permit requirements for Sources 010 & 016.

Sources included in this group

ID	Name
010	HEAT TREATING FURNACES (2)
016	PAINT BOOTH PREHEATER & MISC. SPACE HEAT

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the quantity of natural gas used by this source on a monthly basis. These records will be used to calculate the annual emissions from this source.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is to be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Authority for this condition is also derived from 25 Pa. Code § 129.91.]

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION E. Source Group Restrictions.

Group Name: POWER GENERATORS

Group Description: Permit requirements for Sources 250 & 251 including § 40 CFR 63 Subpart ZZZZ.

Sources included in this group

ID	Name
250	50 KW EMERGENCY POWER GENERATOR
251	400 KW EMERGENCY POWER GENERATOR

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is limited to no more than 500 hours of operation during any consecutive 12-month rolling period.

[Authority for this condition is also derived from 25 Pa. Code § 129.93(c)(5).]

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requiremer

(a) [See VI. Work Practice Requirements.]

(b) - (c) [Not Applicable]

(d) [Omitted. Provision for new, reconstructed, and rebuilt stationary RICE.]

(e) [See V. Reporting Requirements.]

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) [The no time limit provision of this federal rule is streamlined out by RACT I's § 129.93(c)(5) - i.e., 500 hours in any 12-month rolling period.]

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

SECTION E. Source Group Restrictions.

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) - (iii) [Vacated]

(3) [Not Applicable]

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) - (ii) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What records must I keep?

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv).

(2) Records of the occurance and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) - (4) [Not Applicable]

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with subsection 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (c) [Not Applicable]

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or

SECTION E. Source Group Restrictions.

operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) [Not Applicable]

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(1) [Not Applicable]

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

V. REPORTING REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(a) [See VI. Work Practice Requirements.]

(b) - (c) [Not Applicable]

(d) [Omitted. Provision for new, reconstructed, and rebuilt stationary RICE.]

(e) You must also report each instance in which you did not meet the requirements in Table 8 of this subpart that apply to you. [Omitted statements/provisions not applicable.]

(f) [See I. Restrictions, Operation Hours Restrictions.]

SECTION E. Source Group Restrictions.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Table 6 to Subpart ZZZZ of Part 63.-- Continuous Compliance With Emission Limitations and Operating Limitations

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

FOR EACH...
(9) Existing emergency and black start stationary RICE located at an area source of HAP. [Omitted other engine subcategories not applicable to the permittee.]

COMPLYING WITH THE REQUIREMENT TO...
(a) Work or Management practices

YOU MUST DEMONSTRATE CONTINUOUS COMPLIANCE BY...
(i) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(ii) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[78 FR 6715, Jan. 30, 2013]

[Categories (1) to (8) & (10) to (15) do not apply. Compliance with this condition assures compliance with 25 Pa. Code § 129.93(c)(5).]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[Compliance with this condition assures compliance with 25 Pa. Code § 129.93(c)(5).]

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my monitoring, installation, operation, and maintenance requirements?

(a) - (d) [Not Applicable]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-

SECTION E. Source Group Restrictions.

treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) - (2) [Not Applicable]

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions.

(4) - (10) [Not Applicable]

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed. [For Source 105 only.]

(g) [Not Applicable]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other

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requirements?

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) - (c) [Not Applicable]

(d) [Omitted. Provision for new, reconstructed, and rebuilt stationary RICE.]

(e) [See V. Reporting Requirements.]

(f) [See I. Restrictions, Operation Hours Restrictions.]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What is the purpose of subpart ZZZZ?

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Am I subject to this subpart?

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) An area source of HAP emissions is a source that is not a major source.

(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

(e) - (f) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

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 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of my plant does this subpart cover?

This subpart applies to each affected source.

(a) AFFECTED SOURCE. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) EXISTING STATIONARY RICE.

(i) - (ii) [Not Applicable]

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) NEW STATIONARY RICE. [Not Applicable]

(3) RECONSTRUCTED STATIONARY RICE. [Not Applicable]

(b) STATIONARY RICE SUBJECT TO LIMITED REQUIREMENTS. [Not Applicable]

(c) STATIONARY RICE SUBJECT TO REGULATIONS UNDER 40 CFR PART 60. [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

When do I have to comply with this subpart?

(a) AFFECTED SOURCES.

(1) If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations and operating limitations no later than October 19, 2013.

(2) - (7) [Not Applicable]

(b) AREA SOURCES THAT BECOME MAJOR SOURCES. If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.

(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.

(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

(c) If you own or operate an affected source, you must meet the applicable notification requirements in §63.6645 and in 40 CFR part 63, subpart A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20,

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2010; 78 FR 6701, Jan. 30, 2013]

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of the General Provisions apply to me?

Table 8 of Subpart ZZZZ shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

[Please refer to Subpart ZZZZ for Table 8.]

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Who implements and enforces this subpart?

(a) This subpart is implemented and enforced by the U.S. EPA, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency (as well as the U.S. EPA) has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out whether this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are:

(1) Approval of alternatives to the non-opacity emission limitations and operating limitations in §63.6600 under §63.6(g).

(2) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.

(3) Approval of major alternatives to monitoring under §63.8(f) and as defined in §63.90.

(4) Approval of major alternatives to recordkeeping and reporting under §63.10(f) and as defined in §63.90.

(5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in §63.6610(b).

 # 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; and in this section as follows:

[Only select terms are included in this operating permit. For the rest of the terminology, refer to § 63.6675 of Title 40 - Protection of Environment in www.ecfr.gov.]

AREA SOURCE means any stationary source of HAP that is not a major source as defined in part 63.

ASSOCIATED EQUIPMENT as used in this subpart and as referred to in section 112(n)(4) of the CAA, means equipment associated with an oil or natural gas exploration or production well, and includes all equipment from the well bore to the point of custody transfer, except glycol dehydration units, storage vessels with potential for flash emissions, combustion turbines, and stationary RICE.

COMPRESSION IGNITION means relating to a type of stationary internal combustion engine that is not a spark ignition engine.

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DEVIATION means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:
(1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or operating limitation;
(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or
(3) Fails to meet any emission limitation or operating limitation in this subpart during malfunction, regardless or whether or not such failure is permitted by this subpart.
(4) Fails to satisfy the general duty to minimize emissions established by §63.6(e)(1)(i).

DIESEL ENGINE means any stationary RICE in which a high boiling point liquid fuel injected into the combustion chamber ignites when the air charge has been compressed to a temperature sufficiently high for auto-ignition. This process is also known as compression ignition.

DIESEL FUEL means any liquid obtained from the distillation of petroleum with a boiling point of approximately 150 to 360 degrees Celsius. One commonly used form is fuel oil number 2. Diesel fuel also includes any non-distillate fuel with comparable physical and chemical properties (e.g. biodiesel) that is suitable for use in compression ignition engines.

EMERGENCY STATIONARY RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in §63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in §63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.
(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.
(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §63.6640(f).
(3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in §63.6640(f)(2)(ii) or (iii) and §63.6640(f)(4)(i) or (ii).

ENGINE STARTUP means the time from initial start until applied load and engine and associated equipment reaches steady state or normal operation. For stationary engine with catalytic controls, engine startup means the time from initial start until applied load and engine and associated equipment, including the catalyst, reaches steady state or normal operation.

FOUR-STROKE ENGINE means any type of engine which completes the power cycle in two crankshaft revolutions, with intake and compression strokes in the first revolution and power and exhaust strokes in the second revolution.

GASEOUS FUEL means a material used for combustion which is in the gaseous state at standard atmospheric temperature and pressure conditions.

GLYCOL DEHYDRATION UNIT means a device in which a liquid glycol (including, but not limited to, ethylene glycol, diethylene glycol, or triethylene glycol) absorbent directly contacts a natural gas stream and absorbs water in a contact tower or absorption column (absorber). The glycol contacts and absorbs water vapor and other gas stream constituents from the natural gas and becomes “rich” glycol. This glycol is then regenerated in the glycol dehydration unit reboiler. The “lean” glycol is then recycled.

HAZARDOUS AIR POLLUTANTS (HAP) means any air pollutants listed in or pursuant to section 112(b) of the CAA.

LEAN BURN ENGINE means any two-stroke or four-stroke spark ignited engine that does not meet the definition of a rich burn engine.

MAJOR SOURCE, as used in this subpart, shall have the same meaning as in §63.2, except that:
(1) Emissions from any oil or gas exploration or production well (with its associated equipment (as defined in this section)) and emissions from any pipeline compressor station or pump station shall not be aggregated with emissions from other similar units, to determine whether such emission points or stations are major sources, even when emission

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points are in a contiguous area or under common control;
(2) For oil and gas production facilities, emissions from processes, operations, or equipment that are not part of the same oil and gas production facility, as defined in §63.1271 of subpart HHH of this part, shall not be aggregated;
(3) For production field facilities, only HAP emissions from glycol dehydration units, storage vessel with the potential for flash emissions, combustion turbines and reciprocating internal combustion engines shall be aggregated for a major source determination; and
(4) Emissions from processes, operations, and equipment that are not part of the same natural gas transmission and storage facility, as defined in §63.1271 of subpart HHH of this part, shall not be aggregated.

MALFUNCTION means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

NATURAL GAS means a naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in geologic formations beneath the Earth's surface, of which the principal constituent is methane. Natural gas may be field or pipeline quality.

OIL AND GAS PRODUCTION FACILITY as used in this subpart means any grouping of equipment where hydrocarbon liquids are processed, upgraded (i.e., remove impurities or other constituents to meet contract specifications), or stored prior to the point of custody transfer; or where natural gas is processed, upgraded, or stored prior to entering the natural gas transmission and storage source category. For purposes of a major source determination, facility (including a building, structure, or installation) means oil and natural gas production and processing equipment that is located within the boundaries of an individual surface site as defined in this section. Equipment that is part of a facility will typically be located within close proximity to other equipment located at the same facility. Pieces of production equipment or groupings of equipment located on different oil and gas leases, mineral fee tracts, lease tracts, subsurface or surface unit areas, surface fee tracts, surface lease tracts, or separate surface sites, whether or not connected by a road, waterway, power line or pipeline, shall not be considered part of the same facility. Examples of facilities in the oil and natural gas production source category include, but are not limited to, well sites, satellite tank batteries, central tank batteries, a compressor station that transports natural gas to a natural gas processing plant, and natural gas processing plants.

POTENTIAL TO EMIT means the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the stationary source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is federally enforceable. For oil and natural gas production facilities subject to subpart HH of this part, the potential to emit provisions in §63.760(a) may be used. For natural gas transmission and storage facilities subject to subpart HHH of this part, the maximum annual facility gas throughput for storage facilities may be determined according to §63.1270(a)(1) and the maximum annual throughput for transmission facilities may be determined according to §63.1270(a)(2).

PRODUCTION FIELD FACILITY means those oil and gas production facilities located prior to the point of custody transfer.

PRODUCTION WELL means any hole drilled in the earth from which crude oil, condensate, or field natural gas is extracted.

RICH BURN ENGINE means any four-stroke spark ignited engine where the manufacturer's recommended operating air/fuel ratio divided by the stoichiometric air/fuel ratio at full load conditions is less than or equal to 1.1. Engines originally manufactured as rich burn engines, but modified prior to December 19, 2002 with passive emission control technology for NOX (such as pre-combustion chambers) will be considered lean burn engines. Also, existing engines where there are no manufacturer's recommendations regarding air/fuel ratio will be considered a rich burn engine if the excess oxygen content of the exhaust at full load conditions is less than or equal to 2 percent.

SPARK IGNITION means relating to either: A gasoline-fueled engine; or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for CI and gaseous fuel (typically natural gas) is used as the primary fuel at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark

SECTION E. Source Group Restrictions.

ignition engines.

STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINE (RICE) means any reciprocating internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

STORAGE VESSEL WITH THE POTENTIAL FOR FLASH EMISSIONS means any storage vessel that contains a hydrocarbon liquid with a stock tank gas-to-oil ratio equal to or greater than 0.31 cubic meters per liter and an American Petroleum Institute gravity equal to or greater than 40 degrees and an actual annual average hydrocarbon liquid throughput equal to or greater than 79,500 liters per day. Flash emissions occur when dissolved hydrocarbons in the fluid evolve from solution when the fluid pressure is reduced.

TWO-STROKE ENGINE means a type of engine which completes the power cycle in single crankshaft revolution by combining the intake and compression operations into one stroke and the power and exhaust operations into a second stroke. This system requires auxiliary scavenging and inherently runs lean of stoichiometric.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3607, Jan. 18, 2008; 75 FR 9679, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 76 FR 12867, Mar. 9, 2011; 78 FR 6706, Jan. 30, 2013]

SECTION E. Source Group Restrictions.

Group Name: PROCESSES - 0.02-GR/DSCF PM LIMIT

Group Description: Permit requirements for Sources 202, 204, & 204B.

Sources included in this group

ID	Name
202	INOCULATION OPERATIONS
204	SHAKEOUT
204B	SHAKER DECK

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Particulate matter emissions from this source are limited to no more than 0.02 grains per dry standard cubic foot.

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions of 25 Pa Code § 123.13.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a maintenance log for each control device(s) associated with this source. This record shall indicate at a minimum:

(a) The date of each maintenance inspection.
(b) The name of the person performing the inspection.
(c) The date of the last bag/cartridge replacement.
(d) Any mechanical repairs and/or adjustments.
(e) A once daily record of pressure drops across each collector.
(f) Any conditions which might indicate a need for additional investigation or maintenance.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain, at a convenient location, a magnehelic gauge to measure the pressure drop across the fabric collector associated with this source.

(b) The fabric collector associated with this source shall be maintained and operated in accordance with the manufacturer's recommendations and in a manner consistent with good air pollution control practices.

(c) The control device associated with this source is to be in operation at all times that the source is in operation.

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(d) The permittee shall maintain on site at all times, for emergency replacement, 25% of the total number of bags for each baghouse at this facility.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall adhere to the following recommended maintenance schedule for the fabric collector associated with this source.

(a) Daily Visual Inspections:
(1) Check fabric filter differential pressure.
(2) Check compressed air pressure.
(3) Exhaust fan operation.
(4) Screw conveyor and rotary airlock valve operation.
(5) Dust storage bin.

(b) Monthly Inspections and maintenance:
(1) Daily inspections plus the following.
(2) Inspect baghouse tubesheet floor for dust build up.
(3) Inspect filter bags.
(4) Inspect timer, air diaphragm valves and solenoid valves.
(5) Lubrication (fan, s/c, r/v, air compressor).
(6) Check spare parts inventory.

(c) Quarterly Inspections:
(1) Daily and monthly plus the following.
(2) Inspect exhaust fan wheel and housing.
(3) Inspect air compressor and dryer.
(4) Inspect for surface corrosion on modules and structural steel.
(5) Inspect screw conveyor drive and flight.
(6) Inspect rotary airlock seals and drive.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION E. Source Group Restrictions.

Group Name: PROCESSES - 0.04-GR/DSCF PM LIMIT

Group Description: Permit requirements for Sources 205 & 208.

Sources included in this group

ID	Name
205	FINISHING OPERATIONS - WHEELABRATOR
208	WOOD PATTERN PRODUCTION

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The company shall monitor the pressure drop across each collector at least once per month.

(b) The company shall perform monthly maintenance inspections of each control device associated with this source.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Sufficient data shall be recorded, in a format approved by the Department, so that compliance with the conditions in this operating permit can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

(a) The date of each maintenance inspection.

(b) The name of the person performing the inspection.

(c) The date of the last bag/cartridge replacement.

(d) Any mechanical repairs and/or adjustments.

(e) A once monthly record of pressure drops across each filter.

(f) Any conditions which might indicate a need for additional investigation of maintenance.

(g) The results of the monthly maintenance inspections shall be recorded.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION E. Source Group Restrictions.

(a) The permittee shall maintain, at a convenient location, a magnehelic gauge to measure the pressure drop across the fabric collector associated with this source.

(b) The fabric collector associated with this source shall be maintained and operated in accordance with the manufacturer's recommendations and in a manner consistent with good air pollution control practices.

(c) The control device associated with this source is to be in operation at all times that the source is in operation.

(d) The permittee shall maintain on site at all times, for emergency replacement, 25% of the total number of bags for each baghouse at this facility.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this permit.

SECTION G. Emission Restriction Summary.

Source Id	Source Description

010 HEAT TREATING FURNACES (2)

Emission Limit			Pollutant
500.000	PPMV	(dry basis)	SOX
0.040	gr/DRY FT3		TSP

016 PAINT BOOTH PREHEATER & MISC. SPACE HEAT

Emission Limit			Pollutant
500.000	PPMV	(dry basis)	SOX
0.040	gr/DRY FT3		TSP

202 INOCULATION OPERATIONS

Emission Limit		Pollutant
0.020	gr/DRY FT3	TSP

204 SHAKEOUT

Emission Limit		Pollutant
0.020	gr/DRY FT3	TSP

204B SHAKER DECK

Emission Limit		Pollutant
0.020	gr/DRY FT3	TSP

205 FINISHING OPERATIONS - WHEELABRATOR

Emission Limit		Pollutant
0.040	gr/DRY FT3	TSP

207 SPRAY PAINTING

Emission Limit		Pollutant
0.040	gr/DRY FT3	TSP

208 WOOD PATTERN PRODUCTION

Emission Limit		Pollutant
0.040	gr/DRY FT3	TSP

211 SAND RECLAMATION

Emission Limit			Pollutant
0.005	gr/DRY FT3	Filterable Only	TSP

215 PATTERN COATING

Emission Limit		Pollutant
3.500	Lbs/Gal	VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description
216	CORE ROOM OVEN & LADLE PRE-HEATING

Emission Limit			Pollutant
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
250	50 KW EMERGENCY POWER GENERATOR

Emission Limit			Pollutant
500.000	PPMV	(dry basis)	SOX
0.040	gr/DRY FT3		TSP

Source Id	Source Description
251	400 KW EMERGENCY POWER GENERATOR

Emission Limit			Pollutant
500.000	PPMV	(dry basis)	SOX
0.040	gr/DRY FT3		TSP

Site Emission Restriction Summary

Emission Limit			Pollutant
24.500	Tons/Yr	(All HAPs combined, 12-month rolling total)	Hazardous Air Pollutants
9.500	Tons/Yr	(Any single HAP, 12-month rolling total)	Hazardous Air Pollutants
49.500	Tons/Yr	(12-month rolling total)	VOC

SECTION H. Miscellaneous.

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restrictions section in Section C, for each source in Section D, and for each source group in Section E. The emission limitations contained in Section G of this permit are also for informational purposes only and are not to be considered as enforceable limits.

(b) Source Descriptions & Requirements

Below are details to provide some details on select requirements & sources.

(b.1) For discussion on the 3.5% VOC content limit for binder material, see review memo dated November 15, 2010 & letter from consultant dated September 27, 2010.

(1) Components considered: The following react but reaction may be potentially incomplete & therefore considered in calculating VOC content: phenol & 4,4-isopropylidenediphenol.

(2) Components not considered: furfuryl alcohol (i.e., a reactive component); polymeric components (i.e., solid, nonvolatile nature).

(b.2) Source 205 consists of a Wheelabrator equipped with a 4, 200-cfm baghouse.

(b.3) Source 301 consists of a Wheelabrator (Model A3-50831) equipped with a 25,000-cfm baghouse.

(b.4) The following are determined insignificant activities for permitting purposes:

(1) Old Gridblast. A blasting booth equipped with a baghouse that vents indoors.

(2) Core washing/coating. Uses a water-based, VOC-free product.

(c) Permit History

(c.1) This permit was amended on April 19, 2000 to correct an inaccuracy to the requirements for Source ID: 209. The VOC limit for this source was removed.

(c.2) This permit was administratively amended on September 12, 2002 to incorporate a name change brought about by a change of ownership.

(c.3) This permit was administratively amended on February 3, 2003 to incorporate a name change brought about by a change of ownership.

(c.4) This permit was re-issued on June 23, 2005.

(c.5) This permit was administratively amended on December 5, 2008, to incorporate changes brought about by Plan Approval Number 43-036A.

(c.6) This permit was administratively amended on June 22, 2012 to incorporate the change in responsible official and permit contact. The application indicated the responsible official is Joe Simko - V.P. Operations and the permit contact is Earl Marcum - EHS Manager.

(c.7) This permit was administratively amended on June 25, 2014 to incorporate the change in responsible official. The application indicated the responsible official is Sunil Hoskote - V.P. Operations.

(c.8) This permit was administratively amended on December 12, 2017 to incorporate the conditions of plan approval 43-036C.

****** End of Report ******