COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	July 13, 2022	Effective Date:	September 5, 2024
Revision Date:	September 5, 2024	Expiration Date:	July 31, 2027
Revision Type:	Amendment		

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 applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 67-05016

Federal Tax Id - Plant Code: 92-1818804-1

Owner Information

Name: EAGLE CASTING LLC
Mailing Address: 447 E MIDDLE ST
HANOVER, PA 17331-2543

Plant Information

Plant: EAGLE CASTING LLC/ HANOVER
Location: 67 York County 67002 Hanover Borough
SIC Code: 3714 Manufacturing - Motor Vehicle Parts And Accessories

Responsible Official

Name: DENNIS HETRICK
Title: PLANT MANAGER
Phone: (223) 267 - 1491 Email: Dennis.Hetrick@eaglemachining.com

Permit Contact Person

Name: DENNIS HETRICK
Title: PLANT MANAGER
Phone: (223) 267 - 1491 Email: Dennis.Hetrick@eaglemachining.com

[Signature] _____
WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

Section A. Facility/Source Identification

Section B. General Title V Requirements

Section C. Site Level Title V Requirements

Section D. Source Level Title V Requirements

SECTION A. Table of Contents

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
032	COMBINED NG-FIRED SPACE HEATERS, BURN OFF OVEN, HEAT TREAT	17.000	MMBTU/HR	
101	IMMERSION COLD CLEANING MACHINES	35.000	Lbs/HR	VOC
103	CORE MAKING MACHINES (PLANT 7)	10.000	Lbs/HR	VOC IN SAND RESIN
109	OLD FOUNDRY - SAND/PRE-MIX SILOS (#1)	30.000	Tons/HR	PRE-MIX & SAND
110	OLD FOUNDRY - SAND SHAKEOUT LINES A&B	10.000	Tons/HR	CASTINGS
		48.000	Tons/HR	SAND
111	OLD FOUNDRY - SAND/PRE-MIX SILOS (#2)	30.000	Tons/HR	PRE-MIX & SAND
112	NEW FOUNDRY - MELT/TUNDISH LADLES	7.000	Tons/HR	CASTINGS
		95.000	Tons/HR	SAND
112A/B	NEW FOUNDRY - POUR/COOL/SHAKEOUT/BLAST	7.000	Tons/HR	CASTINGS
		95.000	Tons/HR	SAND
112C	NEW FOUNDRY - SPRUE BREAKER STATION	16.000	Tons/HR	IRON CASTINGS
113	OLD FOUNDRY - MELTING OPERATIONS	10.000	Tons/HR	IRON SCRAP
114A	OLD FOUNDRY - BLAST CABINET	33.000	Tons/HR	CASTINGS CLEANED
117	NG-FIRED SPACE HEATERS	12.717	MMBTU/HR	
		12.700	MCF/HR	Natural Gas
		140.000	Gal/HR	Propane
118	WASTE OIL-FIRED SPACE HEATERS	2.835	MMBTU/HR	
		20.000	Gal/HR	Waste Oil
119	NEW FOUNDRY - SAND/PRE-MIX SILOS	40.000	Tons/HR	PRE-MIX & SAND
120	OLD FOUNDRY - MOLDING MACHINES	6.000	Tons/HR	IRON CASTINGS
121	CASTING CLEANING OPERATIONS (PLANT 7)	12.500	Tons/HR	IRON CASTINGS
124	LAEMPE COREMAKING OPERATION (PLANT 7)	8.400	Tons/HR	SAND
124A	SOURCE 124 SAND SILO (PLANT 7)	60.000	Tons/HR	SAND
125	MOLDING/POURING/COOLING/SHAKEOUT LINE	9.000	Tons/HR	METAL POURED
		45.000	Tons/HR	SAND
126	SHOTBLAST MACHINE	9.000	Tons/HR	CASTINGS CLEANED
127	LAEMPE COLD BOX COREMAKING MACHINE (PLANT 7)	1.000	Tons/HR	SAND
128	ROBOTIC CASTING CLEANING CELL (PLANT 7)	0.750	Tons/HR	IRON CASTINGS
502	134 HP KOHLER EMERGENCY ENGINE (FOUNDRY)	852.000	CF/HR	Natural Gas
504	330 HP KOHLER EMERGENCY ENGINE (FOUNDRY)	9.500	Gal/HR	Diesel Fuel
C106	AAF FABRIC COLLECTOR			
C108	MAC EQUIPMENT FABRIC COLLECTOR			
C108A	PANGBORN FABRIC COLLECTOR			
C109	DYNAMIC AIR BIN VENT COLLECTOR			
C110	SENECA ENVIRONMENTAL FABRIC COLLECTOR			
C111	AIRMATIC DUST COLLECTOR			
C112	FARR FABRIC COLLECTOR			
C112A	MAC FABRIC COLLECTOR (F9-551)			
C112B	MAC FABRIC COLLECTOR (F9-550)			

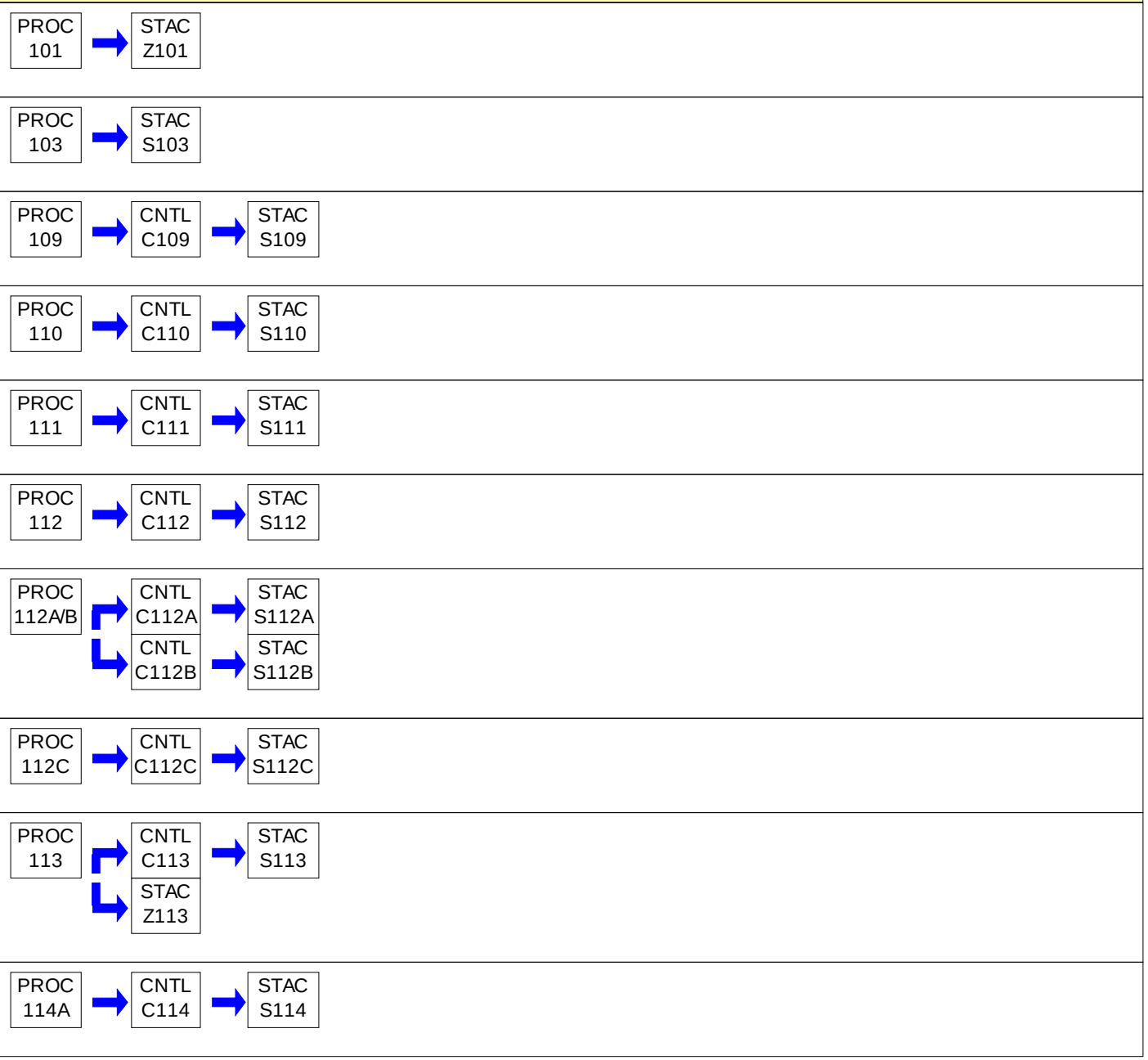
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C112C	SENECA ENV FABRIC COLLECTOR (SOURCE 112C)		
C113	ULTRA INDUSTRIES FABRIC COLLECTOR		
C114	PANGBORN FABRIC COLLECTOR		
C119	MAC BIN VENT COLLECTOR		
C120	SENECA ENVIRONMENTAL FABRIC COLLECTOR		
C121	SENECA ENVIRONMENTAL FABRIC COLLECTOR		
C124	DAKOTA PACKED BED GAS SCRUBBER		
C124A	SLY BIN VENT COLLECTOR		
C125A	BAUMCO FABRIC COLLECTOR		
C125B	TORIT DUST COLLECTOR		
C126	PANGBORN FABRIC COLLECTOR (SOURCE 126)		
C128	DONALDSON TORIT CARTRIDGE COLLECTOR (SOURCE 128)		
FML03	DIESEL FUEL OIL TANK		
FML25	NATURAL GAS PIPELINE		
FML33	PROPANE TANK		
FML99	WASTE OIL		
S103	SOURCE 103 STACK		
S106	SOURCE 106 STACK		
S108	SOURCE 108 STACK		
S108A	SOURCE 108 STACK		
S109	SOURCE 109 STACK		
S110	SOURCE 110 STACK		
S111	SOURCE 111 STACK		
S112	SOURCE 112 STACK		
S112A	SOURCE C112A STACK		
S112B	SOURCE C112B STACK		
S112C	SOURCE 122 STACK		
S113	SOURCE 113 STACK		
S114	SOURCE 114 STACK		
S119	SOURCE 119 STACK		
S120	SOURCE 120 STACK		
S121	SOURCE 121 STACK		
S124	SOURCE C124 STACK		
S124A	SOURCE 124A STACK		
S125A	SOURCE C125A STACK		
S125B	DUST COLLECTOR STACK		
S126	SOURCE C126 STACK		
S128	SOURCE C128 STACK		
S502	SOURCE 502 STACK		
S504	SOURCE 504 STACK		

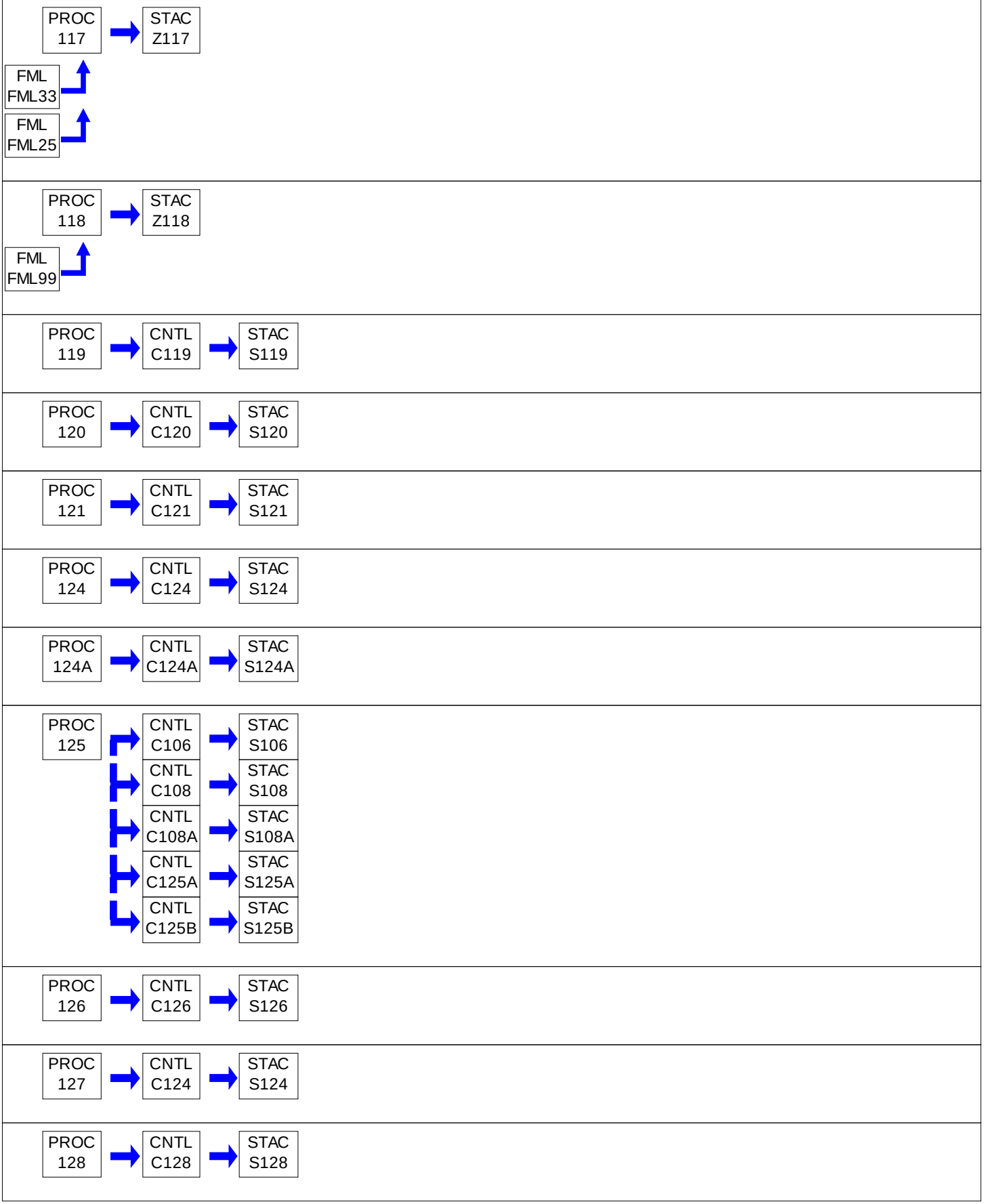
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z101	SOURCE 101 FUGITIVE EMISSIONS		
Z113	SOURCE 113 FUGITIVE EMISSIONS		
Z117	SOURCE 117 FUGITIVE EMISSIONS		
Z118	SOURCE 118 FUGITIVE EMISSIONS		

PERMIT MAPS



PERMIT MAPS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STAC S120
PROC 121
CNTL C121
STAC S121
PROC 124
CNTL C124
STAC S124
PROC 124A
CNTL C124A
STAC S124A
PROC 125
CNTL C106
STAC S106
CNTL C108
STAC S108
CNTL C108A
STAC S108A
CNTL C125A
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CNTL C125B
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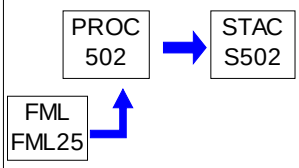
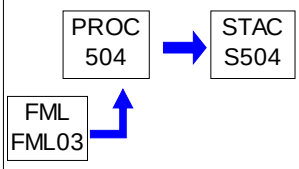
PERMIT MAPS





SECTION B. General Title V 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 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

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

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

#004 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

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. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V 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. 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.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]

Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) 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. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) 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 during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) 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,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

SECTION B. General Title V Requirements

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

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

(1) Enter at reasonable times upon the permittee's premises where a Title V 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 or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, 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, 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.

(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.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) 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 to the source are 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 Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

SECTION B. General Title V Requirements

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

SECTION B. General Title V Requirements

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

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

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

SECTION B. General Title V Requirements

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars ($8,000) for calendar years 2021—2025.

(2) Ten thousand dollars ($10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars ($12,500) for the calendar years beginning with 2031.

#019 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. 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.

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

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit 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 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 or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(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.

SECTION B. General Title V Requirements

(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, liquefied petroleum gas 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.

(d) 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 (b)(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 the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(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 allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical 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.

#020 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(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).

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

SECTION B. General Title V Requirements

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) 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 this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

Submissions

(a) 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 on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

Sampling, Testing and Monitoring Procedures

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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

(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.

SECTION B. General Title V Requirements

(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 the 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]

Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

(1) The identification of each term or condition of the permit that is the basis of the certification.
(2) The compliance status.
(3) The methods used for determining the compliance status of the source, currently and over the reporting period.
(4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

SECTION B. General Title V Requirements

#027 [25 Pa. Code § 127.3]

Operational Flexibility

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

(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)

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

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

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

SECTION B. General Title V Requirements

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

#031 [25 Pa. Code §135.3]

Reporting

(a) 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 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.

#032 [25 Pa. Code §135.4]

Report Format

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 §123.1]

Prohibition of certain fugitive emissions

The permittee shall not allow the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

(a) Construction or demolition of buildings or structures.

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

(c) 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.

(d) Clearing of land.

(e) Stockpiling of materials.

(f) Open burning of clearing and grubbing wastes (trees, shrubs and other native vegetation which are cleared from land during or prior to the process of construction; does not include demolition wastes and dirt-laden roots).

(g) Sources and classes of sources other than those identified in (a)-(f), above, for which the permittee has obtained a determination from the Department, in accordance with 25 Pa. Code §123.1(b), that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the fugitive emission limit specified in 40 CFR §63.10895(e)]

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

The permittee shall not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001(a)-(g), if the emissions are visible at the point the emissions pass outside the permittee's property.

 # 003 [25 Pa. Code §123.31]

Limitations

The permittee shall not allow 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 permittee's property.

 # 004 [25 Pa. Code §123.41]

Limitations

The permittee shall not allow 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:

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

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

 # 005 [25 Pa. Code §123.42]

Exceptions

The emission limitations of Section C, Condition #004, shall not apply when:

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

(b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of

SECTION C. Site Level Requirements

visible emissions.

(c) The emission results from sources specified in Section C, Condition #001(a)-(g).

 # 006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

(a) 50 tons per year (TPY) of volatile organic compounds (VOC);

(b) 100 TPY of nitrogen oxides (NOx);

(c) 10 TPY of any individual hazardous air pollutant (HAP); and

(d) 25 TPY of aggregate HAPs.

[The permittee's acceptance of, and compliance with, the annual facility VOC & NOx emissions limits of (a) & (b), above, memorializes the permittee's exemption from the RACT II requirements of 25 Pa. Code §129.96 – 129.100 pursuant to 25 Pa. Code §129.96(d); Compliance with part (a), above, assures compliance with the 198 TPY cumulative VOC PTE restriction specified in RACT O.P. No. 67-2016]

 # 007 [25 Pa. Code §129.14]

Open burning operations

(a) The permittee shall not allow the open burning of material on the permittee's property in a manner such that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.

(2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.

(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.

(b) The requirements of (a), above, do not apply when 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) A fire set solely for recreational or ceremonial purposes.

(5) A fire set solely for cooking food.

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

SECTION C. Site Level Requirements

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of the sources referenced in this operating permit to measure emissions for purposes including verification of operating permit condition compliance and estimation of annual air emissions.

 # 009 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. In the request, the Department will set forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

 # 010 [25 Pa. Code §139.11]

General requirements.

(a) As specified in 25 Pa. Code §139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa. Code §139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:

(1) A thorough source description, including a description of any air cleaning devices and the flue.

(2) Process conditions, for example, the VOC usage rate, fuel firing rate, and other conditions which may affect emissions from the process.

(3) The location of the sampling ports.

(4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO2, O2, and N2), static and barometric pressures.

(5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.

(6) Laboratory procedures and results.

(7) Calculated results.

III. MONITORING REQUIREMENTS.

 # 011 [25 Pa. Code §123.43]

Measuring techniques

The permittee shall measure visible emissions (referenced in Section C, Conditions #004, #005, and #012) using either of the following:

(a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g. Continuous Opacity Monitor).

(b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

 # 012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants. Weekly

SECTION C. Site Level Requirements

inspections are necessary to determine:

(a) The presence of visible emissions as stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #011. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.

(b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Section C, Condition #002.

(c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain records of the weekly inspections referenced in Section C, Condition #012. The records shall include, at a minimum, the following information:

(1) The name of the company representative monitoring each inspection.

(2) The date and time of each inspection.

(3) The wind direction during each inspection.

(4) A description of the visible emissions, fugitive particulate matter emissions (beyond the plant property boundaries), and malodorous air contaminants (beyond the plant property boundaries) observed, if any, and actions taken to mitigate them. If no visible emissions or fugitive particulate matter emissions or malodors are observed, then document that none were observed.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

 # 014 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall calculate the monthly air emissions from the facility using AP-42 emission factors, manufacturer-supplied emission factors, mass material balance, performance (stack) test data, or other method(s) acceptable to the Department. The permittee shall maintain records of the monthly air emissions and calculations.

(b) The permittee shall calculate the cumulative facility VOC, NOx, individual HAP, and aggregate HAP emissions for each consecutive 12-month period. The permittee shall maintain records of the cumulative facility VOC, NOx, individual HAP, and aggregate HAP emissions for each consecutive 12-month period in order to demonstrate compliance with Section C, Condition #006.

(c) The permittee shall maintain records of the monthly and annual usage of each fuel consumed at the entire facility.

(d) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

 # 015 [25 Pa. Code §129.63a]

Control of VOC emissions from industrial cleaning solvents.

In accordance with 25 Pa. Code § 129.63a, if the permittee uses or applies an “industrial cleaning solvent” in a “cleaning activity” at a “cleaning unit operation”, a work production-related work area or a part, product, tool, machinery, equipment, vessel, floor or wall, regulated under § 129.63a that is not subject to exceptions or exemptions in § 129.63a(c)(1), then the permittee shall comply with applicable provisions of § 129.63a, including recordkeeping consistent with § 129.63a(h). If the permittee relies on the exception at § 129.63a(c)(3) from the VOC emission limitations in § 129.63a(e) and the work

SECTION C. Site Level Requirements

practice requirements in § 129.63a(f), then the permittee shall maintain records to demonstrate the total combined actual VOC emissions from all subject cleaning unit operations at the facility are less than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls, and maintain records in accordance with § 129.63a(h)(4).

These records shall be maintained on site for the most recent 5-year period and made available to the Department upon request.

 # 016 [25 Pa. Code §129.77.]

Control of emissions from the use or application of adhesives, sealants, primers and solvents.

(a) If the permittee uses or applies an adhesive, sealant, adhesive primer or sealant primer, surface preparation solvent, or cleanup solvent regulated under 25 Pa. Code § 129.77 that is not subject to exemption under § 129.77(k), then permittee shall comply with applicable provisions of § 129.77 and, in accordance with 25 Pa. Code §129.77(o)&(q), the permittee shall maintain records of the following information:

(1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.

(2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under part (a)(1), above.

(3) The VOC content of each product on the list required under part (a)(1), above, as supplied.

(4) Catalysts, reducers or other components used, if any, and the mix ratio.

(5) The VOC content or vapor pressure of each product on the list required under part (a)(1), above, as applied, if solvent or other VOC is added to the product before application.

(6) The volume purchased or produced of each product on the list required under part (a)(1), above.

(7) The monthly volume used or applied as part of a manufacturing process at the facility of each product on the list required under part (a)(1), above.

(b) Records of the information required under part (a)(1), above, shall be:

(1) Maintained on-site for five (5) years from the date the record is created.

(2) Made available to the Department upon receipt of a written request.

V. REPORTING REQUIREMENTS.

 # 017 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

Pursuant to Section C, Category VIII. COMPLIANCE CERTIFICATION below, the permittee shall forward the annual compliance certification report to U.S. EPA electronically, in lieu of a hard copy version, to the following email address: 'R3_APD_Permits@epa.gov'.

 # 018 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.442]

The permittee shall report malfunctions which occur at the facility to the Department. A malfunction is 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 that may result in an increase in air emissions above minor significance. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

SECTION C. Site Level Requirements

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Air Quality Program at (717) 705-4702 during normal business hours, or to the Department's Emergency Hotline 866-825-0208 at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx.

(1) The notice shall describe the:
(i) name and location of the facility;
(ii) nature and cause of the malfunction or breakdown;
(iii) time when the malfunction or breakdown was first observed;
(iv) expected duration of excess emissions; and
(v) estimated rate of emissions.

(2) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.

(3) The permittee shall submit a written report of instances of such malfunctions to the department, in writing, within three (3) days of the of the telephone report.

(4) The owner or operator shall submit reports on the operation and maintenance of the source to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of (a) above, shall be reported to the Department, in writing, within five (5) days of discovery of the malfunction.

(c) Unless otherwise approved by DEP, all malfunctions shall be reported through the Department's Greenport PUP system available through: https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home

 # 019 [25 Pa. Code §135.3]

Reporting

(a) An annual air emissions report for a given calendar year is due no later than March 1 of the following year, and shall be submitted at AES-Online, unless otherwise specified.

(b) The monthly air emissions and calculations referenced in Section C, Condition #014(a), shall be included in the annual air emissions report.

(c) The monthly fuel usage referenced in Section C, Condition #014(c), shall be included in the annual air emissions report.

(d) The permittee may request an extension of time from the Department for the filing of the air emissions report specified in part (a), above, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.

 # 020 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)-(g). These actions shall include, but not be limited to, the following:

(a) 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.

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

SECTION C. Site Level Requirements

(c) Paving and maintenance of roadways.

(d) 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.

 # 021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate and maintain all sources and any air cleaning devices identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating and air pollution control practices that minimize air emissions.

VII. ADDITIONAL REQUIREMENTS.

 # 022 [25 Pa. Code §121.7]

Prohibition of air pollution.

The permittee shall not permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§4001 - 4015).

 # 023 [25 Pa. Code §127.206]

ERC general requirements.

[Additional authority for this permit condition is also derived from Emission Reduction Credit Approval No. ER-67-05016E]

1. Emission Reduction Credit (ERC) Approval No. 67-05016E was issued on June 10, 2004 for the Core-making Operation (Source ID 103; Shut Down Date = April 15, 2003) at R.H. Sheppard Company, Inc.'s Plant No. 7 located at 447 East Middle Street in Hanover Borough, York County.

2. Three cold box core-making machines (Machines F311, F323, and F485) were shut down and replaced by three Laempe core center machines (Machines #1, #2, and #3). These machines comprise (or have comprised) a portion of Source ID 103.

3. R.H. Sheppard Company, Inc. is granted 14.43 tons per year (TPY) of VOC ERCs from the machine replacement described in No. 2, above.

4. Pursuant to the provisions of 25 Pa. Code Section 127.206(f), the VOC ERCs created from the machine replacement described in No. 2, above, shall expire if not consumed within 10 years from the shut down date.

5. These ERCs may be used, traded or sold after the approved entry of the ERCs by the Department in the Pennsylvania ERC Registry.

6. R.H. Sheppard Company, Inc. and any subsequent user of these credits shall comply with the requirements of 25 Pa. Code Sections 127.206 - 127.209.

7. Cold box core-making machines F311, F323, and F485 remain permanently shut down. If the company plans to bring any of these shut down sources back into production, the company shall submit an appropriate plan approval application.

 # 024 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 67-2016]

The permittee shall implement and maintain a training program for all new and existing personnel, including contract personnel, who are involved in machining, cleaning, and related VOC-emitting operations. The training program shall include, but not be limited to, the following:

(a) A list of personnel (name and job description) that are required to be trained.

(b) An outline of the subjects to be covered in the initial and refresher training for each person or group of persons.

(c) A description of the methods to be used at the completion of initial or refresher training to demonstrate and document

SECTION C. Site Level Requirements

successful completion.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2023 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 032 Source Name: COMBINED NG-FIRED SPACE HEATERS, BURN OFF OVEN, HEAT TREAT

Source Capacity/Throughput: 17.000 MMBTU/HR

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 101 Source Name: IMMERSION COLD CLEANING MACHINES

Source Capacity/Throughput: 35.000 Lbs/HR VOC

Conditions for this source occur in the following groups: 003

PROC 101 → STAC Z101

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.63]

Degreasing operations

(a) The permittee may not use in any Source ID 101 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.

(b) This permit condition does not apply:

(1) If a Source ID 101 machine is used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

(A) Oxygen in concentrations greater than 23%
(B) Ozone
(C) Nitrous oxide
(D) Fluorine
(E) Chlorine
(F) Bromine
(G) Halogenated compounds

(2) If the permittee demonstrates, and the Department approves in writing, that compliance with this permit condition will result in unsafe operating conditions.

(3) If a Source ID 101 machine's freeboard ratio is equal to or greater than 0.75. As defined at 25 Pa. Code Section 121.1, the freeboard ratio is defined as the distance from the liquid solvent in the idling mode to the top edge of the cleaning machine divided by the smaller dimension (length or width) of the cleaning machine.

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall maintain the following records for each Source ID 101 machine:

SECTION D. Source Level Requirements

(a) The name and address of the solvent supplier.
(b) The type of solvent including the product or vendor identification number.
(c) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

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.

The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 67-2016]

The permittee shall:

(a) Maintain drain racks on the degreasing tins.
(b) Remove any compressed air hoses in the vicinity of the degreasing tins.
(c) Keep degreasing tins covered when not in use.

 # 004 [25 Pa. Code §129.63]
Degreasing operations

Each Source ID 101 machine shall have a freeboard ratio of 0.50 or greater.

As defined at 25 Pa. Code Section 121.1, the freeboard ratio is defined as the distance from the liquid solvent in the idling mode to the top edge of the cleaning machine divided by the smaller dimension (length or width) of the cleaning machine.

 # 005 [25 Pa. Code §129.63]
Degreasing operations

Each Source ID 101 machine shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent.

 # 006 [25 Pa. Code §129.63]
Degreasing operations

The permittee shall operate each Source ID 101 machine in accordance with the following procedures:

(a) 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.

(b) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in any Source ID 101 machine.

(c) Air-agitated solvent baths may not be used.

(d) Spills during solvent transfer and use of any Source ID 101 machine shall be cleaned up immediately.

 # 007 [25 Pa. Code §129.63]
Degreasing operations

Each Source ID 101 machine shall have a permanent, conspicuous label summarizing the operating requirements in

SECTION D. Source Level Requirements

Condition #006, above. 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 Source ID 101 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.

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §129.63]

Degreasing operations

All of the aforementioned permit conditions apply to a Source ID 101 cold cleaning machine so long as the machine uses 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

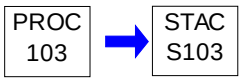
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 103 Source Name: CORE MAKING MACHINES (PLANT 7)

Source Capacity/Throughput: 10.000 Lbs/HR VOC IN SAND RESIN

Conditions for this source occur in the following groups: 003
004
007



I. RESTRICTIONS.

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

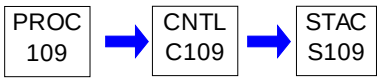
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 109 Source Name: OLD FOUNDRY - SAND/PRE-MIX SILOS (#1)

Source Capacity/Throughput: 30.000 Tons/HR PRE-MIX & SAND

Conditions for this source occur in the following groups: 004
006
007



I. RESTRICTIONS.

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

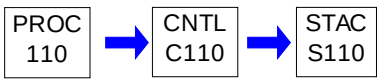
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 110 Source Name: OLD FOUNDRY - SAND SHAKEOUT LINES A&B

Source Capacity/Throughput: 10.000 Tons/HR CASTINGS
48.000 Tons/HR SAND

Conditions for this source occur in the following groups: 003
004
006
007



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, the Sinto sand preparation system sand throughput shall not exceed 87,500 tons per each consecutive 12-month period.

 # 002 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, the metal poured throughput for the Sinto line shall not exceed 25,000 tons per each consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

The permittee shall monitor and record the Sinto sand preparation system sand throughput each month and each consecutive 12-month period.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

SECTION D. Source Level Requirements

The permittee shall monitor and record the metal poured throughput for the Sinto line each month and each consecutive 12-month period.

V. REPORTING REQUIREMENTS.

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

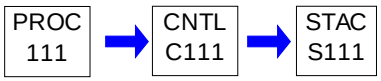
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 111 Source Name: OLD FOUNDRY - SAND/PRE-MIX SILOS (#2)

Source Capacity/Throughput: 30.000 Tons/HR PRE-MIX & SAND

Conditions for this source occur in the following groups: 004
006
007



I. RESTRICTIONS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 112 Source Name: NEW FOUNDRY - MELT/TUNDISH LADLES

Source Capacity/Throughput:	7.000	Tons/HR	CASTINGS
	95.000	Tons/HR	SAND

Conditions for this source occur in the following groups: 003
007
008

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016C]

Particulate matter (PM) emissions from Source ID 112's fabric collector exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

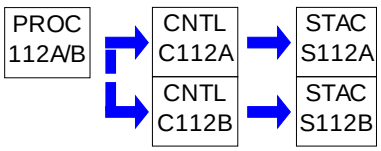
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 112A/B Source Name: NEW FOUNDRY - POUR/COOL/SHAKEOUT/BLAST

Source Capacity/Throughput:	7.000	Tons/HR	CASTINGS
	95.000	Tons/HR	SAND

Conditions for this source occur in the following groups: 003
004
006
007



I. RESTRICTIONS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 112C Source Name: NEW FOUNDRY - SPRUE BREAKER STATION

Source Capacity/Throughput: 16.000 Tons/HR IRON CASTINGS

Conditions for this source occur in the following groups: 006
007

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-304-034E]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) emissions from Source ID 112C's fabric collector exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

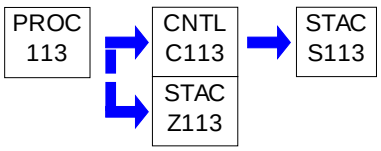
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 113 Source Name: OLD FOUNDRY - MELTING OPERATIONS

Source Capacity/Throughput: 10.000 Tons/HR IRON SCRAP

Conditions for this source occur in the following groups: 007
008



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016D]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) emissions from Source ID 113's fabric collector exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(b)]

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

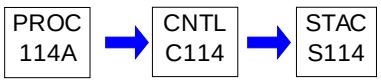
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 114A Source Name: OLD FOUNDRY - BLAST CABINET

Source Capacity/Throughput: 33.000 Tons/HR CASTINGS CLEANED

Conditions for this source occur in the following groups: 006
007



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016E]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) emissions from Source ID 114A's fabric collector exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 117 Source Name: NG-FIRED SPACE HEATERS

Source Capacity/Throughput:	12.717	MMBTU/HR	
	12.700	MCF/HR	Natural Gas
	140.000	Gal/HR	Propane

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate each of the Source ID 117 space heaters using propane or natural gas fuel only.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 118 Source Name: WASTE OIL-FIRED SPACE HEATERS

Source Capacity/Throughput: 2.835 MMBTU/HR
20.000 Gal/HR Waste Oil

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The sulfur content of the waste oil fired by the Source ID 118 space heaters shall not exceed 0.5% (by weight). The permittee shall only burn waste oil that is generated on site.

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the sulfur content (by weight) of the waste oil burned by the Source ID 118 space heaters by collecting a minimum of one (1) representative oil sample for laboratory analysis on a quarterly basis. The analysis shall be performed using ASTM D 4294 (Non-Dispersive X-Ray Fluorescence Spectrometry) or an alternative method that is approved by the Department. This sampling requirement may be combined with Section D, Source ID 035, Condition #003.

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain records of the waste oil laboratory analyses referenced in Condition #002, above, for a minimum of five (5) years. The records 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 (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

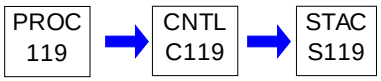
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 119 Source Name: NEW FOUNDRY - SAND/PRE-MIX SILOS

Source Capacity/Throughput: 40.000 Tons/HR PRE-MIX & SAND

Conditions for this source occur in the following groups: 004
006
007



I. RESTRICTIONS.

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

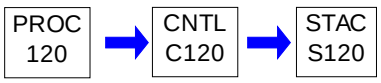
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 120 Source Name: OLD FOUNDRY - MOLDING MACHINES

Source Capacity/Throughput: 6.000 Tons/HR IRON CASTINGS

Conditions for this source occur in the following groups: 003
004
006
007



I. RESTRICTIONS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 121 Source Name: CASTING CLEANING OPERATIONS (PLANT 7)

Source Capacity/Throughput: 12.500 Tons/HR IRON CASTINGS

Conditions for this source occur in the following groups: 006
007

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-304-044]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) emissions from Source ID 121's fabric collector exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 124 Source Name: LAEMPE COREMAKING OPERATION (PLANT 7)

Source Capacity/Throughput: 8.400 Tons/HR SAND

Conditions for this source occur in the following groups: 007
009

I. RESTRICTIONS.

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

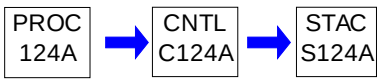
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 124A Source Name: SOURCE 124 SAND SILO (PLANT 7)

Source Capacity/Throughput: 60.000 Tons/HR SAND

Conditions for this source occur in the following groups: 006
007



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016B]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) emissions from Source ID 124A's bin vent collector exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

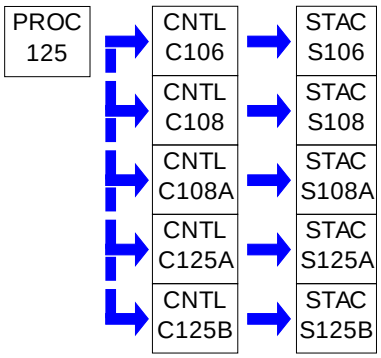
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 125 Source Name: MOLDING/POURING/COOLING/SHAKEOUT LINE

Source Capacity/Throughput:	9.000	Tons/HR	METAL POURED
	45.000	Tons/HR	SAND

Conditions for this source occur in the following groups: 006
007
010



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G & 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) emissions from each Source ID 125 fabric collector exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

 # 002 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G & 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, there shall be no visible air contaminant emissions from the exhaust of each Source ID 125 fabric collector other than water vapor or steam.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the visible emission limit specified in 25 Pa. Code §123.41]

 # 003 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G & 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, no fugitive air contaminant emissions shall be generated as a result of removing collected dust from each Source ID 125 fabric collector or as a result of subsequently handling the collected dust on-site following its removal from each fabric collector.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the fugitive emission limit specified in 25 Pa. Code §123.1]

SECTION D. Source Level Requirements

Operation Hours Restriction(s).

 # 004 [25 Pa. Code §127.512]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G & 67-05016H]

Source ID 125 shall not operate more than 5,700 hours during any consecutive 12-month period.

Throughput Restriction(s).

 # 005 [25 Pa. Code §127.1]
Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, the Disa sand preparation system sand throughput shall not exceed 87,500 tons per each consecutive 12-month period.

 # 006 [25 Pa. Code §127.1]
Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, the metal poured throughput for the Disa line shall not exceed 25,000 tons per each consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 007 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G & 67-05016H]

(a) The permittee shall maintain records of Source ID 125's monthly hours of operation.

(b) The permittee shall maintain records of Source ID 125's hours of operation for each consecutive 12-month period. This is necessary to demonstrate compliance with Condition #004, above.

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

 # 008 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

The permittee shall monitor and record the metal poured throughput for the Disa line each month and each consecutive 12-month period.

SECTION D. Source Level Requirements

 # 009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016H]

The permittee shall monitor and record the Disa sand preparation system sand throughput each month and each consecutive 12-month period.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 010 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G & 67-05016H]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, each Source ID 125 fabric collector's compressed air supply shall be equipped with an air dryer and an oil trap.

VII. ADDITIONAL REQUIREMENTS.

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

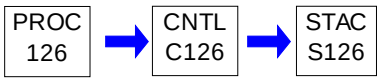
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 126 Source Name: SHOTBLAST MACHINE

Source Capacity/Throughput: 9.000 Tons/HR CASTINGS CLEANED

Conditions for this source occur in the following groups: 006
007
010



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) and PM10 emissions from Source ID 126's cartridge collector exhaust shall each not exceed 0.005 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

 # 002 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, there shall be no visible air contaminant emissions from the exhaust of Source ID 126's cartridge collector other than water vapor or steam.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the visible emission limit specified in 25 Pa. Code §123.41]

 # 003 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, no fugitive air contaminant emissions shall be generated as a result of removing collected dust from Source ID 126's cartridge collector or as a result of subsequently handling the collected dust on-site following its removal from the cartridge collector.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the fugitive emission limit specified in 25 Pa. Code §123.1(a)]

Operation Hours Restriction(s).

 # 004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

Source ID 126 shall not operate more than 5,700 hours during any consecutive 12-month period.

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

(a) The permittee shall maintain records of Source ID 126's monthly hours of operation.

(b) The permittee shall maintain records of Source ID 126's hours of operation for each consecutive 12-month period. This is necessary to demonstrate compliance with Condition #004, above.

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 006 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, Source ID 126's cartridge collector's compressed air supply shall be equipped with an air dryer and an oil trap.

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 127 Source Name: LAEMPE COLD BOX COREMAKING MACHINE (PLANT 7)

Source Capacity/Throughput: 1.000 Tons/HR SAND

Conditions for this source occur in the following groups: 007
009
010

I. RESTRICTIONS.

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

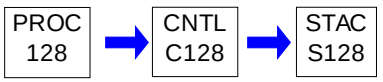
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 128 Source Name: ROBOTIC CASTING CLEANING CELL (PLANT 7)

Source Capacity/Throughput: 0.750 Tons/HR IRON CASTINGS

Conditions for this source occur in the following groups: 007
008



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from RFD*Online RFD #5298 (plan approval exemption approved online 9/15/15 & via letter dated 9/22/15)]

Pursuant to 25 Pa. Code §123.13(c)(1)(i), PM emissions from Source ID 128's cartridge collector exhaust shall not exceed 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from RFD*Online RFD #5298 (plan approval exemption approved online 9/15/15 & via letter dated 9/22/15)]

The permittee shall limit Source ID 128's annual emissions to less than the following thresholds during any consecutive 12-month period:

(a) 0.56 TPY of PM;

(b) 0.39 TPY of PM10 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 10 micron body); and

(c) 0.17 TPY of PM2.5 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 2.5 micron body).

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from RFD*Online RFD #5298 (plan approval exemption approved online 9/15/15 & via letter dated 9/22/15)]

(a) The permittee shall calculate Source ID 128's monthly air emissions using AP-42 emission factors, manufacturer-

SECTION D. Source Level Requirements

supplied emission factors, mass material balance, performance (stack) test data, or other method(s) acceptable to the Department. The permittee shall maintain records of the monthly air emissions.

(b) The permittee shall calculate Source ID 128's cumulative air emissions for each consecutive 12-month period. The permittee shall maintain records of Source ID 128's cumulative air emissions for each consecutive 12-month period in order to demonstrate compliance with Condition #001, above.

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 502 Source Name: 134 HP KOHLER EMERGENCY ENGINE (FOUNDRY)

Source Capacity/Throughput: 852.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 011
012

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate the Source ID 502 engine using natural gas fuel only.

II. TESTING REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 504 Source Name: 330 HP KOHLER EMERGENCY ENGINE (FOUNDRY)

Source Capacity/Throughput: 9.500 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: 011
012

I. RESTRICTIONS.

Fuel Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate the Source ID 504 engine using diesel fuel oil only.

II. TESTING REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 003

Group Description: RACT SOURCES

Sources included in this group

ID	Name
101	IMMERSION COLD CLEANING MACHINES
103	CORE MAKING MACHINES (PLANT 7)
110	OLD FOUNDRY - SAND SHAKEOUT LINES A&B
112	NEW FOUNDRY - MELT/TUNDISH LADLES
112A/B	NEW FOUNDRY - POUR/COOL/SHAKEOUT/BLAST
120	OLD FOUNDRY - MOLDING MACHINES

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from RACT O.P. No. 67-2016]

The permittee shall maintain a log book for recording the type and quantity of solvent/binder used; quantity of spent organic solvent generated, disposed off-site, and recycled on-site.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from RACT O.P. No. 67-2016]

The permittee shall maintain Material Safety Data Sheets (MSDSs) and/or Certified Product Data Sheets (CPDSs) for all binders used at its facility within the most recent five (5) year period. This information shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from RACT O.P. No. 67-2016 and 25 Pa. Code Section 135.3]

The permittee shall include the following information in the annual air emissions report described in Section C, Condition #019(a):

(a) Information described in Condition #002 of Group 003, above.
(b) Resultant monthly VOC emissions from the binders and solvents of (a), above.
(c) Total hours of operation of all sources contained in Group 003.

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 004

Group Description: SAND HANDLING/SHAKE-OUT & IRON MELTING SOURCES

Sources included in this group

ID	Name
103	CORE MAKING MACHINES (PLANT 7)
109	OLD FOUNDRY - SAND/PRE-MIX SILOS (#1)
110	OLD FOUNDRY - SAND SHAKEOUT LINES A&B
111	OLD FOUNDRY - SAND/PRE-MIX SILOS (#2)
112A/B	NEW FOUNDRY - POUR/COOL/SHAKEOUT/BLAST
119	NEW FOUNDRY - SAND/PRE-MIX SILOS
120	OLD FOUNDRY - MOLDING MACHINES

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter from any of the individual Group 004 sources in a manner that exceeds an effluent gas concentration of 0.02 grain per dry standard cubic foot, or the rate determined by the following formula, whichever is greater:

A = 0.76E^(0.42), where:

A = Allowable emissions in pounds per hour
E = Emission index = F x W, in pounds per hour
F = Process factor in pounds per ton
= 150 (iron melting, five (5) tons per hour and less)
= 50 (iron melting, more than five (5) tons per hour)
= 20 (sand handling or sand shake-out)
W = Production or charging rate in tons per hour
0.42 = Exponent of E

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 006

Group Description: CAM SOURCES W/ FABRIC/BIN VENT COLLECTOR(S)

Sources included in this group

ID	Name
109	OLD FOUNDRY - SAND/PRE-MIX SILOS (#1)
110	OLD FOUNDRY - SAND SHAKEOUT LINES A&B
111	OLD FOUNDRY - SAND/PRE-MIX SILOS (#2)
112A/B	NEW FOUNDRY - POUR/COOL/SHAKEOUT/BLAST
112C	NEW FOUNDRY - SPRUE BREAKER STATION
114A	OLD FOUNDRY - BLAST CABINET
119	NEW FOUNDRY - SAND/PRE-MIX SILOS
120	OLD FOUNDRY - MOLDING MACHINES
121	CASTING CLEANING OPERATIONS (PLANT 7)
124A	SOURCE 124 SAND SILO (PLANT 7)
125	MOLDING/POURING/COOLING/SHAKEOUT LINE
126	SHOTBLAST MACHINE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 001 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §64.6 and Plan Approval Nos. 67-05016E, 67-05016G, 67-05016H & 67-05016I]

(a) The permittee shall use the pressure differential across the Group 006 fabric/bin vent collectors to obtain data and monitor the emission control equipment performance.

(b) Differential pressure gauges shall be either photohelic/magnahelic gauges or other Department approved differential pressure gauges/transmitters that measure the pressure differential across the Group 006 fabric/bin vent collectors.

(c) The permittee shall operate and maintain differential pressure gauges to measure the pressure differential across the Group 006 fabric/bin vent collectors.

(d) The permittee shall monitor the pressure differential across the Group 006 fabric/bin vent collectors once per day while the source(s) and respective fabric/bin vent collectors are operating.

(e) The permittee shall average the daily pressure differential values on a weekly basis for the purpose of determining an excursion.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016E, 67-05016G & 67-05016H]

(a) The permittee shall maintain detailed records of all maintenance performed on each fabric/bin vent collector.

SECTION E. Source Group Restrictions.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

 # 003 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 70, §70.6(a)(3)(ii)(B) and Plan Approval Nos. 67-05016E, 67-05016G & 67-05016H]

(a) The permittee shall maintain records of the following information:

(1) Daily readings of the pressure differential across the Group 006 fabric/bin vent collectors, as well as the weekly average.

(2) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(3) The permittee shall record all inspections, repairs and maintenance performed on the monitoring equipment.

(4) The permittee shall maintain records of all monitoring equipment down-time incidents (other than down-time associated with accuracy checks or calibration checks). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(b) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 004 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 70, §70.6(a)(3)(iii)(A) and Plan Approval Nos. 67-05016E & 67-05016H]

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

(b) The permittee shall report all monitoring equipment down-time incidents (other than down-time associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016E, 67-05016G & 67-05016H]

The permittee shall operate each fabric/bin vent collector at all times that its respective source(s) is operating.

 # 006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016E, 67-05016G & 67-05016H]

Each Group 006 source and its associated fabric/bin vent collector shall be:

(a) Operated in such a manner as to not cause air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§4001 - 4015) and 25 Pa. Code §121.1;

(b) Operated and maintained in a manner consistent with good operating and maintenance practices; and

SECTION E. Source Group Restrictions.

(c) Operated and maintained in accordance with the manufacturer's specifications.

 # 007 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §64.6 and Plan Approval Nos. 67-05016E, 67-05016H & 67-05016I]

(a) The permittee shall use the following pressure differential ranges in determining excursions for the Group 006 fabric/bin vent collectors:

(1) Source ID 109 between 0.5 inch of water and 12.0 inches of water.
(2) Source ID 110 between 1.0 inch of water and 10.0 inches of water.
(3) Source ID 111 between 0.10 kPa and 3.92 kPa (kilopascals). [kPa is the display unit of measure for differential pressure on Source ID C111.]
(4) Source ID 112A/B (MAC Equipment fabric collector [F9-551] - Source ID C112A) between 1.0 inch of water and 12.0 inches of water.
(5) Source ID 112A/B (MAC Equipment fabric collector [F9-550] - Source ID C112B) between 1.0 inch of water and 12.0 inches of water.
(6) Source ID 112C between 1.0 inch of water and 9.0 inches of water.
(7) Source ID 114A between 1.0 inch of water and 8.0 inches of water.
(8) Source ID 119 between 0.5 inch of water and 12.0 inches of water.
(9) Source ID 120 between 1.0 inch of water and 8.0 inches of water.
(10) Source ID 121 between 1.0 inch of water and 9.0 inches of water.
(11) Source ID 124A between 1.0 inch of water and 13.0 inches of water.
(12) Source ID 125 (AAF fabric collector - Source ID C106) between 1.0 inch of water and 13.0 inches of water.
(13) Source ID 125 (MAC Equipment fabric collector - Source ID C108) between 1.0 inch of water and 13.0 inches of water.
(14) Source ID 125 (Pangborn fabric collector - Source ID C108A) between 1.0 inch of water and 13.0 inches of water.
(15) Source ID 125 (Baumco fabric collector - Source ID C125A) between 1.0 inch of water and 13.0 inches of water.
(16) Source ID 125 (Torit fabric collector - Source ID C125B) between 1.0 inch of water and 13.0 inches of water.
(17) Source ID 126 between 1.0 inch of water and 13.0 inches of water.

(b) A departure from the pressure differential ranges specified in (a), above, based on the average of the daily pressure differential values, on a weekly basis, shall be defined as an excursion. Failure to perform a daily pressure differential monitoring shall also be defined as an excursion.

(c) The permittee shall operate and maintain photohelic/magnahelic gauges to measure the pressure differential across each fabric/bin vent collector. The photohelic/magnahelic gauges shall measure the pressure differential of the inlet and outlet of the respective fabric/bin vent collector.

(d) The permittee shall check each photohelic/magnahelic gauge a minimum of once per year to ensure measurement accuracy within 10%. A photohelic/magnahelic gauge that is not operating with a measurement accuracy within 10% shall be replaced with a new calibrated photohelic/magnahelic gauge. Results of the annual photohelic/magnahelic gauge measurement accuracy checks shall be retained on site for a minimum of five (5) years and made available to the Department upon request.

(e) The permittee shall maintain spare photohelic/magnahelic gauges and related parts on site for routine repairs/replacement.

(f) The permittee shall maintain on-site a sufficient quantity of spare (replacement) fabric & bin vent collector bags for each Group 006 fabric/bin vent collector in order to immediately replace any bags requiring replacement due to deterioration resulting from routine operation.

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 008 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.8]

Sections of PART 64

Quality improvement plan (QIP) requirements

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §64.9 and Plan Approval Nos. 67-05016E & 67-05016H]

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six excursions for any given collector occur in a six-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement the QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

(d) The QIP shall include procedures for evaluating the control device performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices.
(2) Process operation changes.
(3) Appropriate improvements to control device methods.
(4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.
(2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or record keeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 007

Group Description: SOURCES SUBJECT TO MACT SUBPART ZZZZZ

Sources included in this group

ID	Name
103	CORE MAKING MACHINES (PLANT 7)
109	OLD FOUNDRY - SAND/PRE-MIX SILOS (#1)
110	OLD FOUNDRY - SAND SHAKEOUT LINES A&B
111	OLD FOUNDRY - SAND/PRE-MIX SILOS (#2)
112	NEW FOUNDRY - MELT/TUNDISH LADLES
112A/B	NEW FOUNDRY - POUR/COOL/SHAKEOUT/BLAST
112C	NEW FOUNDRY - SPRUE BREAKER STATION
113	OLD FOUNDRY - MELTING OPERATIONS
114A	OLD FOUNDRY - BLAST CABINET
119	NEW FOUNDRY - SAND/PRE-MIX SILOS
120	OLD FOUNDRY - MOLDING MACHINES
121	CASTING CLEANING OPERATIONS (PLANT 7)
124	LAEMPE COREMAKING OPERATION (PLANT 7)
124A	SOURCE 124 SAND SILO (PLANT 7)
125	MOLDING/POURING/COOLING/SHAKEOUT LINE
126	SHOTBLAST MACHINE
127	LAEMPE COLD BOX COREMAKING MACHINE (PLANT 7)
128	ROBOTIC CASTING CLEANING CELL (PLANT 7)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [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?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

(a) If you own or operate an affected source that is a large foundry as defined in 40 CFR §63.10906, you must comply with the pollution prevention management practices in 40 CFR §§63.10885 and 63.10886, the requirements in 40 CFR §§63.10895(b) through (e), below, and the requirements in 40 CFR §§63.10896 through 63.10900.

(b) You must operate a capture and collection system for each metal melting furnace at a new or existing iron and steel foundry unless that furnace is specifically uncontrolled as part of an emissions averaging group. Each capture and collection system must meet accepted engineering standards, such as those published by the American Conference of Governmental Industrial Hygienists (ACGIH).

(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 40 CFR §§63.10895(c)(1) or (2), below. 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 pound of particulate matter (PM) per ton of metal charged or 0.06 pound of total metal HAP per ton of metal charged.

(2) [N/A - THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

(d) [N/A - THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

SECTION E. Source Group Restrictions.

(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. [NOTE: THIS REQUIREMENT IS SUPERSEDED BY 25 Pa. Code §123.1(a), AS WELL AS SECTION C, CONDITION #001, OF THIS OPERATING PERMIT; HOWEVER, THE PERMITTEE SHALL STILL COMPLY WITH THE REQUIREMENTS OF 40 CFR §63.10898(a), (h) & (i)]

II. TESTING REQUIREMENTS.

 # 002 [25 Pa. Code §139.11]

General requirements.

(a) Pursuant to 25 Pa. Code §139.3, at least 30 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code §139.3, at least 15 calendar days prior to commencing an emissions testing program, notification as to the date and time of testing shall be given to the Southcentral Regional Office. Notification shall also be sent to the Bureau of Air Quality's Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 25 Pa. Code §139.53(a)(3), within 15 calendar days after completion of the on-site testing portion of an emissions test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Bureau of Air Quality's Division of Source Testing and Monitoring and the Southcentral Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 25 Pa. Code §139.3, a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emissions test program.

(e) Pursuant to 25 Pa. Code §139.53(b), a complete test report shall include a summary of the emissions results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable plan approval/operating permit conditions. The summary results will include, at a minimum, the following information:

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
(2) Plan approval/operating permit number(s) and condition(s) which are the basis for the evaluation.
(3) Summary of results with respect to each applicable plan approval/operating permit condition.
(4) Statement of compliance or non-compliance with each applicable plan approval/operating permit condition.

(f) Pursuant to 25 Pa. Code §139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department.

(h) Pursuant to 25 Pa. Code §§139.53(a)(1) and 139.53(a)(3), all submittals, besides notifications, shall be accomplished through PSIMS*Online available through https://www.depgreenport.state.pa.us/ecomm/Login.jsp. If internet submittal can not be accomplished, three (3) copies of the submittal shall be sent to the Southcentral Regional Office at the following address, with deadlines verified through document postmarks:

PA DEP
Southcentral Regional Office
Air Quality Program
909 Elmerton Avenue
Harrisburg, PA 17110-8200

(i) The permittee shall ensure all federal reporting requirements contained in any applicable federal subpart are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting state and

SECTION E. Source Group Restrictions.

federal requirements, the most stringent provision, term, condition, method or rule shall be used by default.

 # 003 [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?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

(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 40 CFR §63.10895(c) and for each building or structure housing foundry operations that is subject to the opacity limit for fugitive emissions in 40 CFR §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. [NOTE: COMPLIANT INITIAL PERFORMANCE (STACK) TESTING CONDUCTED ON 6/13/11 - 6/15/11]

(1) [N/A - PERFORMANCE (STACK) TEST OF GROUP 007 ELECTRIC INDUCTION FURNACES CONDUCTED ON 6/13/11 - 6/15/11]

(2) [N/A - PERFORMANCE (STACK) TEST OF GROUP 007 ELECTRIC INDUCTION FURNACES CONDUCTED ON 6/13/11 - 6/15/11]

(3) [N/A - PERFORMANCE (STACK) TEST OF GROUP 007 ELECTRIC INDUCTION FURNACES CONDUCTED ON 6/13/11 - 6/15/11]

(4) [N/A - THE GROUP 007 ELECTRIC INDUCTION FURNACES ARE CONTROLLED FURNACES]

(5) [N/A - THE GROUP 007 ELECTRIC INDUCTION FURNACES EACH HAVE EMISSION CAPTURE SYSTEMS]

(b) You must conduct subsequent performance tests to demonstrate compliance with all applicable PM or total metal HAP emissions limits in 40 CFR §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.

(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. [NOTE: THE APPLICABLE REQUIREMENTS OF TABLE 1 TO 40 CFR PART 63, SUBPART ZZZZZ, ARE LISTED BELOW]

(d) To determine compliance with the applicable PM or total metal HAP emissions limit in 40 CFR §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 40 CFR §63.10898, below:

$$Ep = \frac{C \times Q \times T}{P \times K} \quad \{Equation\ 1\}$$

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);

SECTION E. Source Group Restrictions.

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 40 CFR §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 40 CFR §63.10898, below:

$$Ec = \frac{SUM\{i = 1 \text{ to } n\}(Epi \times Tti)}{SUM\{i = 1 \text{ to } n\}Tti} \quad \{Equation\ 2\}$$

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 40 CFR §63.10898, above, 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.

SUM = Summation

(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 40 CFR §63.10898, above, instead of a measured test value. If the uncontrolled electric induction furnace is equipped with a capture system, you must use a measured test value.

(f) To determine compliance with the applicable PM or total metal HAP emissions limit for a metal melting furnace in 40 CFR §63.10895(c) when emissions from one or more regulated furnaces are combined with other non-regulated emissions sources, you may demonstrate compliance using the procedures in 40 CFR §63.10898(f)(1) through (3), below.

(1) Determine the PM or total metal HAP process-weighted mass emissions for each of the regulated streams prior to the combination with other exhaust streams or control device.

(2) Measure the flow rate and PM or total metal HAP concentration of the combined exhaust stream both before and after the control device and calculate the mass removal efficiency of the control device using Equation 3 of 40 CFR §63.10898, below.

$$\%\ reduction = \frac{Ei - Eo}{Ei} \times 100\% \quad \{Equation\ 3\}$$

Where:

SECTION E. Source Group Restrictions.

Ei = Mass emissions rate of PM or total metal HAP at the control device inlet (lb/hr);

Eo = Mass emissions rate of PM or total metal HAP at the control device outlet (lb/hr).

(3) Meet the applicable emissions limit based on the calculated PM or total metal HAP process-weighted mass emissions for the regulated emissions source using Equation 4 of 40 CFR §63.10898, below:

$$Ep1_{released} = Ep1_i \times \left(1 - \frac{\%\ reduction}{100}\right) \quad \{Equation\ 4\}$$

Where:

Ep1released = Calculated process-weighted mass emissions of PM (or total metal HAP) predicted to be released to the atmosphere from the regulated emissions source, pounds of PM or total metal HAP per ton of metal charged; and

Ep1i = Process-weighted mass emissions of PM (or total metal HAP) in the uncontrolled regulated exhaust stream, pounds of PM or total metal HAP per ton of metal charged.

(g) To determine compliance with an emissions limit for situations when multiple sources are controlled by a single control device, but only one source operates at a time or other situations that are not expressly considered in 40 CFR §63.10898(d) through (f), above, you must submit a site-specific test plan to the Administrator for approval according to the requirements in 40 CFR §63.7(c)(2) and (3).

(h) You must conduct each opacity test for fugitive emissions according to the requirements in 40 CFR §63.6(h)(5) and Table 1 to 40 CFR Part 63, Subpart ZZZZZ. [NOTE: THE APPLICABLE REQUIREMENTS OF TABLE 1 TO 40 CFR PART 63, SUBPART ZZZZZ, ARE LISTED BELOW]

(i) You must conduct subsequent performance tests to demonstrate compliance with the opacity limit in 40 CFR §63.10895(e) [Condition #001(e) of Group 007, above)] 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) [N/A - THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

(l) [N/A - THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

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

Table 1 to 40 CFR Part 63, Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources (Performance Test Requirements for New and Existing Affected Sources Classified as Large Foundries)

As required in 40 CFR §63.10898(c) and (h), you must conduct performance tests according to the test methods and procedures in Table 1, described below:

For each metal melting furnace subject to a PM or total metal HAP limit in 40 CFR §63.10895(c), you must:

(1)(a) Select sampling port locations and the number of traverse points in each stack or duct using EPA Method 1 or 1A (40 CFR Part 60, Appendix A).

(1)(b) Determine volumetric flow rate of the stack gas using Method 2, 2A, 2C, 2D, 2F, or 2G (40 CFR Part 60, Appendix A).

SECTION E. Source Group Restrictions.

(1)(c) Determine dry molecular weight of the stack gas using EPA Method 3, 3A, or 3B (40 CFR Part 60, Appendix A).*

* You may also use as an alternative to EPA Method 3B (40 CFR Part 60, Appendix A), the manual method for measuring the oxygen, carbon dioxide, and carbon monoxide content of exhaust gas, ANSI/ASME PTC 19.10-1981, “Flue and Exhaust Gas Analyses” (incorporated by reference - see 40 CFR §63.14).

(1)(d) Measure moisture content of the stack gas using EPA Method 4 (40 CFR Part 60, A).

(1)(e) Determine PM concentration using EPA Method 5, 5B, 5D, 5F, or 5I, as applicable or total metal HAP concentration using EPA Method 29 (40 CFR Part 60, Appendix A).

Parts (1)(a) through (1)(e), above, shall be performed according to the following requirements:

Sampling sites must be located at the outlet of the control device (or at the outlet of the emissions source if no control device is present) prior to any releases to the atmosphere.

(i) Collect a minimum sample volume of 60 dscf of gas during each PM sampling run. The PM concentration is determined using only the front-half (probe rinse and filter) of the PM catch.

(ii) For Method 29, only the measured concentration of the listed metal HAP analytes that are present at concentrations exceeding one-half the quantification limit of the analytical method are to be used in the sum. If any of the analytes are not detected or are detected at concentrations less than one-half the quantification limit of the analytical method, the concentration of those analytes is assumed to be zero for the purposes of calculating the total metal HAP.

(iii) A minimum of three valid test runs are needed to comprise a PM or total metal HAP performance test.

(iv) [N/A - THE METAL MELTING FURNACES ARE NOT CUPOLA METAL MELTING FURNACES; THEY ARE ELECTRIC INDUCTION METAL MELTING FURNACES]

(v) For electric arc and electric induction metal melting furnaces, sample PM or total metal HAP only during normal melt production conditions, which may include, but are not limited to the following operations: Charging, melting, alloying, refining, slagging, and tapping.

(vi) Determine and record the total combined weight of tons of metal charged during the duration of each test run. You must compute the process-weighted mass emissions of PM according to Equation 1 of 40 CFR §63.10898(d), above, for an individual furnace or Equation 2 of 40 CFR §63.10898(e), above, for the group of all metal melting furnaces at the foundry.

For fugitive emissions from buildings or structures housing any iron and steel foundry emissions sources subject to the opacity limit in 40 CFR §63.10895(e), you must either:

(2)(a) Use a certified observer to conduct each opacity test according to EPA Method 9 (40 CFR Part 60, Appendix A-4) and 40 CFR §63.6(h)(5) according to the following requirements:

(i) The certified observer may identify a limited number of openings or vents that appear to have the highest opacities and perform opacity observations on the identified openings or vents in lieu of performing observations for each opening or vent from the building or structure. Alternatively, a single opacity observation for the entire building or structure may be performed, if the fugitive release points afford such an observation.

(ii) During testing intervals when PM or total metal HAP performance tests, if applicable, are being conducted, conduct the opacity test such that the opacity observations are recorded during the PM or total metal HAP performance tests.

or

SECTION E. Source Group Restrictions.

(2)(b) As an alternative to an EPA Method 9 performance test, conduct the visible emissions test by EPA Method 22 (40 CFR Part 60, Appendix A-7) according to the requirements in (i) and (ii) of (2)(a), above. The test is successful if no visible emissions are observed for 90 percent of the readings over 1 hour. If visible emissions are observed greater than 10 percent of the time over 1 hour, then the facility must conduct another performance test as soon as possible, but no later than 15 calendar days after the EPA Method 22 test, using EPA Method 9 (40 CFR Part 60, Appendix A-4).

III. MONITORING REQUIREMENTS.

 # 004 [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?

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

(a) You must conduct an initial inspection of each PM control device for a metal melting furnace at an existing affected source. You must conduct each initial inspection no later than 60 days after your applicable compliance date for each installed control device which has been operated within 60 days of the compliance date. For an installed control device which has not operated within 60 days of the compliance date, you must conduct an initial inspection prior to startup of the control device. Following the initial inspections, you must perform periodic inspections and maintenance of each PM control device for a metal melting furnace at an existing affected source. You must perform the initial and periodic inspections according to the requirements in 40 CFR §63.10897(a)(1) through (4), below. You must record the results of each initial and periodic inspection and any maintenance action in the logbook required in 40 CFR §63.10899(b)(13).

(1) For the initial inspection of each baghouse, you must visually inspect the system ductwork and baghouse units for leaks. You must also inspect the inside of each baghouse for structural integrity and fabric filter condition. Following the initial inspections, you must inspect and maintain each baghouse according to the requirements in 40 CFR §63.10897(a)(1)(i) and (ii), below.

(i) You must conduct monthly visual inspections of the system ductwork for leaks.

(ii) You must conduct inspections of the interior of the baghouse for structural integrity and to determine the condition of the fabric filter every 6 months.

(2) [N/A - THE METAL MELTING FURNACES DO NOT EMPLOY A DRY ELECTROSTATIC PRECIPITATOR]

(3) [N/A - THE METAL MELTING FURNACES DO NOT EMPLOY A WET ELECTROSTATIC PRECIPITATOR]

(4) [N/A - THE METAL MELTING FURNACES DO NOT EMPLOY A WET SCRUBBER]

(b) [N/A - THE METAL MELTING FURNACES DO NOT EMPLOY A WET SCRUBBER; ALSO, THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

(c) [N/A - THE METAL MELTING FURNACES DO NOT EMPLOY AN ELECTROSTATIC PRECIPITATOR; ALSO, THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR

(d) If you own or operate an existing affected source, you may install, operate, and maintain a bag leak detection system for each negative pressure baghouse or positive pressure baghouse as an alternative to the baghouse inspection requirements in 40 CFR §63.10897(a)(1), above. If you own or operate a new affected source, you must install, operate, and maintain a bag leak detection system for each negative pressure baghouse or positive pressure baghouse. You must install, operate, and maintain each bag leak detection system according to the requirements in 40 CFR §63.10897(d)(1) through (3), below.

(1) Each bag leak detection system must meet the requirements in 40 CFR §63.10897(d)(1)(i) through (vii), below.

(i) The system must be certified by the manufacturer to be capable of detecting emissions of particulate matter at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

SECTION E. Source Group Restrictions.

(ii) The bag leak detection system sensor must provide output of relative particulate matter loadings and the owner or operator shall continuously record the output from the bag leak detection system using a strip chart recorder, data logger, or other means.

(iii) The system must be equipped with an alarm that will sound when an increase in relative particulate matter loadings is detected over the alarm set point established in the operation and maintenance plan, and the alarm must be located such that it can be heard by the appropriate plant personnel.

(iv) The initial adjustment of the system must, at minimum, consist of establishing the baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points. If the system is equipped with an alarm delay time feature, you also must adjust the alarm delay time.

(v) Following the initial adjustment, do not adjust the sensitivity or range, averaging period, alarm set point, or alarm delay time. Except, once per quarter, you may adjust the sensitivity of the bag leak detection system to account for seasonable effects including temperature and humidity according to the procedures in the monitoring plan required by 40 CFR §63.10897(d)(2), below.

(vi) For negative pressure baghouses, induced air baghouses, and positive pressure baghouses that are discharged to the atmosphere through a stack, the bag leak detector sensor must be installed downstream of the baghouse and upstream of any wet scrubber.

(vii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(2) You must prepare a site-specific monitoring plan for each bag leak detection system to be incorporated in your operation and maintenace (O&M) plan. You must operate and maintain each bag leak detection system according to the plan at all times. Each plan must address all of the items identified in 40 CFR §63.10897(d)(2)(i) through (vi), below.

(i) Installation of the bag leak detection system.

(ii) Initial and periodic adjustment of the bag leak detection system including how the alarm set-point will be established.

(iii) Operation of the bag leak detection system including quality assurance procedures.

(iv) Maintenance of the bag leak detection system including a routine maintenance schedule and spare parts inventory list.

(v) How the bag leak detection system output will be recorded and stored.

(vi) Procedures for determining what corrective actions are necessary in the event of a bag leak detection alarm as required in 40 CFR §63.10897(d)(3), below.

(3) In the event that a bag leak detection system alarm is triggered, you must initiate corrective action to determine the cause of the alarm within 1 hour of the alarm, initiate corrective action to correct the cause of the problem within 24 hours of the alarm, and complete corrective action as soon as practicable, but no later than 10 calendar days from the date of the alarm. You must record the date and time of each valid alarm, the time you initiated corrective action, the correction action taken, and the date on which corrective action was completed. Corrective actions may include, but are not limited to:

(i) Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions.

(ii) Sealing off defective bags or filter media.

(iii) Replacing defective bags or filter media or otherwise repairing the control device.

(iv) Sealing off a defective baghouse department.

(v) Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.

SECTION E. Source Group Restrictions.

(vi) Shutting down the process producing the particulate emissions.

(e) You must make monthly inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and damper switches). This inspection must include observations of the physical appearance of the equipment (e.g., presence of holes in the ductwork or hoods, flow constrictions caused by dents or accumulated dust in the ductwork, and fan erosion). You must repair any defect or deficiency in the capture system as soon as practicable, but no later than 90 days. You must record the date and results of each inspection and the date of repair of any defect or deficiency.

(f) [N/A - CPMS/OTHER MEASUREMENT DEVICE(S) ARE NOT EMPLOYED]

(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 40 CFR §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 40 CFR §63.10898(d) and (e).

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

 # 005 [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?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

(a) As required by 40 CFR §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 offsite. 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), below.

(1) You must keep records of your written materials specifications according to 40 CFR §63.10885(a) and records that demonstrate compliance with the requirements for restricted metallic scrap in 40 CFR §63.10885(a)(1) and/or for the use of general scrap in 40 CFR §63.10885(a)(2) and for mercury in 40 CFR §§63.10885(b)(1) through (3), as applicable. You must keep records documenting compliance with 40 CFR §63.10885(b)(4) for scrap that does not contain motor vehicle scrap.

(2) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY]

SECTION E. Source Group Restrictions.

(3) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY]

(4) [N/A - THE AFFECTED SOURCE DOES NOT CURRENTLY EMPLOY A FURFURYL ALCOHOL WARM BOX MOLD OR CORE MAKING LINE; SUBJECT TO CHANGE]

(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.

(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 40 CFR §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 40 CFR §63.10897(h).

(9) If applicable, you must keep records for bag leak detection systems as follows:

(i) Records of the bag leak detection system output;

(ii) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and

(iii) The date and time of all bag leak detection system alarms, and for each valid alarm, the time you initiated corrective action, the corrective action taken, and the date on which corrective action was completed.

(10) You must keep records of capture system inspections and repairs as required by 40 CFR §63.10897(e).

(11) [N/A - CPMS/OTHER MEASUREMENT DEVICE(S) ARE NOT EMPLOYED]

(12) You must keep records of corrective action(s) for exceedances and excursions as required by 40 CFR §63.10897(g).

(13) You must record the results of each inspection and maintenance required by 40 CFR §63.10897(a) for PM control devices in a logbook (written or electronic format). You must keep the logbook onsite and make the logbook available to the Administrator upon request. You must keep records of the information specified in 40 CFR §63.10897(b)(13)(i) through (iii), below.

(i) The date and time of each recorded action for a fabric filter, the results of each inspection, and the results of any maintenance performed on the bag filters.

(ii) [N/A - THE METAL MELTING FURNACES DO NOT EMPLOY A WET OR DRY ELECTROSTATIC PRECIPITATOR]

(iii) [N/A - THE METAL MELTING FURNACES DO NOT EMPLOY A WET SCRUBBER]

(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.

SECTION E. Source Group Restrictions.

(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.

(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 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) [N/A – CONTINUOUS MONITIORING SYSTEM IS NOT USED] If there were no periods during which a continuous monitoring system (including a CPMS or continuous emissions monitoring system (CEMS) was inoperable or out-of-control as specified by § 63.8(c)(7), a statement that there were no periods during which the CPMS was inoperable or out-of-control during the reporting period.

(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

SECTION E. Source Group Restrictions.

(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) [N/A – CONTINUOUS MONITORING SYSTEM IS NOT USED] For each continuous monitoring system (including a CPMS or CEMS) used to comply with the emissions limitation or work practice standard in this subpart that was inoperable or out-of-control during any portion of the reporting period, you must include the information specified in paragraphs (c)(7)(i) through (vi) of this section. The requirement in this paragraph (c)(7) includes periods of startup, shutdown, and malfunction.

(i) A brief description of the continuous monitoring system, including manufacturer and model number.

(ii) The date of the latest continuous monitoring system certification or audit.

(iii) A brief description and the total operating time of the affected source or equipment that is monitored by the continuous monitoring system during the reporting period.

(iv) A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.

(v) For each period for which the continuous monitoring system was inoperable or out-of-control during the reporting period, report:

(A) The date, start time, and duration (in hours) of the deviation;

(B) The type of deviation (inoperable or out-of-control); and

(C) The cause of deviation (characterized as monitoring system malfunctions, non-monitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and unknown causes, as applicable) and the corrective action taken.

(vi) A summary of the total duration (in hours) of the deviations that occurred during the reporting period by cause(characterized as monitoring system malfunctions, non-monitoring equipment malfunctions, quality assurance/quality control calibrations, 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.

(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) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY] If you are subject to the requirements for a site-specific plan for mercury under § 63.10885(b)(1), include:

(i) The number of mercury switches removed or the weight of mercury recovered from the switches and properly managed, the estimated number of vehicles processed, an estimate of the percent of mercury switches recovered;

(ii) A certification that the recovered mercury switches were recycled at RCRA-permitted facilities; and

(iii) A certification that you have conducted periodic inspections or taken other means of corroboration as required under § 63.10885(b)(1)(ii)(C).

(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 40 CFR §§63.10880(f) and (g), as applicable, and for any subsequent reclassification as required in 40 CFR §§63.10881(d) or (e), as applicable. [NOTE: WRITTEN NOTIFICATION OF INITIAL

SECTION E. Source Group Restrictions.

CLASSIFICATION OF EXISTING AFFECTED SOURCE AS A "LARGE FOUNDRY" SUBMITTED TO U.S. EPA VIA LETTER DATED 12/31/08]

(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;

(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

SECTION E. Source Group Restrictions.

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.

(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.

 # 006 [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?

(a) Metallic scrap management program. For each segregated metallic scrap storage area, bin or pile, you must comply with the materials acquisition requirements in 40 CFR §63.10885(a)(1) or (2), below. You must keep a copy of the material specifications on-site 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 40 CFR §63.10885(a)(1), below, and other scrap subject to 40 CFR §63.10885(a)(2), below, 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 byreference - 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 a minimum the information specified in 40 CFR §63.10885(a)(2)(i) or (ii), below.

SECTION E. Source Group Restrictions.

(i) Except as provided in 40 CFR §63.10885(a)(2)(ii), below, 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) [N/A - THE FACILITY DOES NOT CURRENTLY OPERATE A CUPOLA METAL MELTING FURNACE]

(b) Mercury requirements. For scrap containing motor vehicle scrap, you must procure the scrap pursuant to one of the compliance options in 40 CFR §63.10885(b)(1), (2), or (3), below, 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 40 CFR §63.10885(b)(4), below, 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) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY]

(2) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY]

(3) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY]

(4) Scrap that does not contain motor vehicle scrap. For scrap not subject to the requirements in 40 CFR §63.10885(b)(1) through (3), above, you must certify in your notification of compliance status and maintain records of documentation that this scrap does not contain motor vehicle scrap.

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

 # 007 [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?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

(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 40 CFR §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 40 CFR Part 63, Subpart ZZZZZ;

(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 40 CFR §63.10897(d)(2).

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

(5) [N/A - AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

(b) You may use any other O&M, preventative maintenance, or similar plan which addresses the requirements in 40 CFR §63.10896(a)(1) through (5), above, 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.

SECTION E. Source Group Restrictions.

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

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

In the event that 40 CFR Part 63, Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources (MACT Subpart ZZZZZ) is revised, the permittee shall comply with the revised version of MACT Subpart ZZZZZ, and shall not be required to comply with any provisions in this operating permit designated as having MACT Subpart ZZZZZ as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised MACT Subpart ZZZZZ.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]

Subpart A--General Provisions

Applicability.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

The Group 007 sources are subject to 40 CFR Part 63, Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, record keeping, and reporting requirements contained at 40 CFR §§63.10880 through 63.10906, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director
United States Environmental Protection Agency
Region III, Air and Radiation Division
Permits Branch (3AD10)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

The Department copies shall be forwarded to wiweaver@pa.gov, unless otherwise specified in writing by DEP.

 # 010 [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?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

(a) You are subject to 40 CFR Part 63, Subpart ZZZZZ, if you own or operate an iron and steel foundry that is an area source of hazardous air pollutant (HAP) emissions.

(b) 40 CFR Part 63, Subpart ZZZZZ, 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) [N/A - THE AFFECTED SOURCE IS DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1), ABOVE; SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

(c) [N/A - THE AFFECTED SOURCE IS RESTRICTED TO AREA SOURCE STATUS FOR HAPs PURSUANT TO SECTION C, CONDITION #006, OF TITLE V OPERATING PERMIT NO. 67-05016]

SECTION E. Source Group Restrictions.

(d) [N/A - THE AFFECTED SOURCE IS NOT A RESEARCH & DEVELOPMENT FACILITY]

(e) You are exempt from the obligation to obtain a permit under 40 CFR Part 70 or 40 CFR Part 71, provided you are not otherwise required by law to obtain a permit under 40 CFR §70.3(a) or 40 CFR §71.3(a). Notwithstanding the previous sentence, you must continue to comply with the provisions of 40 CFR Part 63, Subpart ZZZZZ. [NOTE: THE FACILITY ALREADY POSSESSES A TITLE V OPERATING PERMIT (O.P. NO. 67-05016)]

(f) If you own or operate an existing affected source, you must determine the initial applicability of the requirements of 40 CFR Part 63, Subpart ZZZZZ, 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 January 2, 2009. [NOTE: WRITTEN NOTIFICATION OF INITIAL CLASSIFICATION OF THE EXISTING AFFECTED SOURCE AS A LARGE FOUNDRY SUBMITTED TO U.S. EPA VIA LETTER DATED 12/31/08]

(g) [N/A - THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1), ABOVE; SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

 # 011 [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?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

(a) If you own or operate an existing affected source, you must achieve compliance with the applicable provisions of 40 CFR Part 63, Subpart ZZZZZ, by the dates in 40 CFR §63.10881(a)(1) through (3), below.

(1) Not later than January 2, 2009 for the pollution prevention management practices for metallic scrap in 40 CFR §63.10885(a) and binder formulations in 40 CFR §63.10886.

(2) Not later than January 4, 2010 for the pollution prevention management practices for mercury in 40 CFR §63.10885(b).

(3) Except as provided in 40 CFR §63.10881(d), below, not later than 2 years after the date of your large foundry's notification of the initial determination required in 40 CFR §63.10880(f) for the standards and management practices in 40 CFR §63.10895.

(b) [N/A - THE AFFECTED SOURCE WAS DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1) ON OR BEFORE 1/02/08]

(c) [N/A - THE AFFECTED SOURCE IS DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1); SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

(d) Following the initial determination for an existing affected source required in 40 CFR §63.10880(f),

(1) [N/A - THE AFFECTED SOURCE IS CLASSIFIED AS A LARGE FOUNDRY PURSUANT TO A LETTER TO U.S. EPA DATED 12/31/08]

(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) [N/A - THE AFFECTED SOURCE IS CURRENTLY DEFINED AS EXISTING PURSUANT TO 40 CFR §63.10880(b)(1);

SECTION E. Source Group Restrictions.

SUBJECT TO CHANGE SHOULD RECONSTRUCTION OCCUR]

 # 012 [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?

[N/A - THIS OPERATING PERMIT CONDITION ONLY APPLIES TO AFFECTED SOURCES CLASSIFIED AS A SMALL FOUNDRY AS THAT TERM IS DEFINED AT 40 CFR §63.10906; THE AFFECTED SOURCE IS CURRENTLY CLASSIFIED AS A LARGE FOUNDRY PURSUANT TO A LETTER TO U.S. EPA DATED 12/31/08; HOWEVER, THIS IS SUBJECT TO CHANGE SHOULD THE AFFECTED SOURCE BE RECLASSIFIED AS A SMALL FOUNDRY

(a) You must comply with the pollution prevention management practices for metallic scrap and mercury switches in 40 CFR §63.10885 and binder formulations in 40 CFR §63.10886.

(b) [N/A - THE INITIAL NOTIFICATION OF APPLICABILITY WAS SENT TO U.S. EPA VIA A LETTER DATED 12/31/08]

(c) You must submit a notification of compliance status according to 40 CFR §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 40 CFR §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 40 CFR §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 40 CFR §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) [N/A - THE AFFECTED SOURCE DOES NOT CURRENTLY EMPLOY A FURFURYL ALCOHOL WARM BOX MOLD OR CORE MAKING LINE; SUBJECT TO CHANGE] "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 40 CFR §63.10886."

(d) As required by 40 CFR § 63.10(b)(1), you must maintain fi les 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 offsite. 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 40 CFR §63.10890(e)(1) through (7), below, according to the requirements in 40 CFR §63.10(b)(1).

(1) Records supporting your initial notification of applicability and your notification of compliance status according to 40 CFR §63.10(b)(2)(xiv).

(2) Records of your written materials specifications according to 40 CFR §63.10885(a) and records that demonstrate compliance with the requirements for restricted metallic scrap in 40 CFR §63.10885(a)(1) and/or for the use of general scrap in 40 CFR §63.10885(a)(2) and for mercury in 40 CFR §63.10885(b)(1) through (3), as applicable. You must keep records documenting compliance with 40 CFR §63.10885(b)(4) for scrap that does not contain motor vehicle scrap.

SECTION E. Source Group Restrictions.

(3) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY]

(4) [N/A - NO MOTOR VEHICLE SCRAP PROCESSED/MELTED AT FACILITY]

(5) [N/A - THE AFFECTED SOURCE DOES NOT CURRENTLY EMPLOY A FURFURYL ALCOHOL WARM BOX MOLD OR CORE MAKING LINE; SUBJECT TO CHANGE] Records to document use of binder chemical formulation that does not contain methanol as a specific ingredient of the catalyst formulation for each furfuryl alcohol warm box mold or core making line as required by 40 CFR §63.10886. These records must be the Material Safety Data Sheet (provided that it contains appropriate information), a certified product data sheet, or a manufacturer's hazardous air pollutant data sheet.

(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) 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 40 CFR §63.10880(f) and (g), as applicable, and for any subsequent reclassification as required in 40 CFR §63.10881(d)(1) or (e), as applicable.

(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 40 CFR §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 40 CFR §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]

 # 013 [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?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

(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 40 CFR Part 63, Subpart ZZZZZ.

(b) If you own or operate a new or existing affected source that is classified as a large foundry, your notification of compliance status required by 40 CFR §63.9(h) must include each applicable certification of compliance, signed by a responsible official, in Table 4 of 40 CFR Part 63, Subpart ZZZZZ. [NOTE: THE NOTIFICATION OF COMPLIANCE STATUS WAS RECEIVED BY THE DEPARTMENT ON 8/05/11]

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10906]

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

What definitions apply to this subpart?

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016G and 67-05016H]

SECTION E. Source Group Restrictions.

Terms used in 40 CFR Part 63, Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources (MACT Subpart ZZZZZ), as well as Section E, Group 001, are defined in the Clean Air Act; in 40 CFR §63.2 (General Provisions); and in 40 CFR §63.10906.

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 008

Group Description: NON-CAM SOURCES W/ FABRIC/CARTRIDGE COLLECTOR

Sources included in this group

ID	Name
112	NEW FOUNDRY - MELT/TUNDISH LADLES
113	OLD FOUNDRY - MELTING OPERATIONS
128	ROBOTIC CASTING CLEANING CELL (PLANT 7)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall operate and maintain instrumentation to measure and display the pressure differential across each Group 008 fabric/cartridge collector.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall monitor and record the pressure differential across each Group 008 fabric/cartridge collector. The pressure differential shall be recorded a minimum of once per week while each Group 008 source and its respective fabric/cartridge collector is operating.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain detailed records of all maintenance performed on each Group 008 fabric/cartridge collector.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall operate each fabric/cartridge collector at all times that its respective Group 008 source is operating.

 # 005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Each Group 008 source and its associated fabric/cartridge collector shall be:

(a) Operated in such a manner as not to cause air pollution.

(b) Operated and maintained in a manner consistent with good operating and maintenance practices.

SECTION E. Source Group Restrictions.

(c) Operated and maintained in accordance with the manufacturer's specifications.

 # 006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain on-site a sufficient quantity of spare fabric collector bags & cartridge collector cartridges for each Group 008 fabric/cartridge collector in order to immediately replace any bags or cartridges requiring replacement due to deterioration resulting from routine operation.

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 009

Group Description: LAEMPE COLD BOX COREMAKING OPERATION (PLANT 7)

Sources included in this group

ID	Name
124	LAEMPE COREMAKING OPERATION (PLANT 7)
127	LAEMPE COLD BOX COREMAKING MACHINE (PLANT 7)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.1]

Purpose.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016B & 67-05016G]

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, filterable and condensable particulate matter (PM) emissions from Group 009's scrubber exhaust shall not exceed 0.02 grain per dry standard cubic foot.

[Compliance with the requirement(s) specified in this streamlined operating permit condition assures compliance with the PM emission limit specified in 25 Pa. Code §123.13(c)(1)(i)]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §§64.3 & 64.6 and Plan Approval Nos. 67-05016B & 67-05016G]

(a) The permittee shall use the following process parameters to obtain data and monitor the scrubber performance:

(1) Pressure differential across the scrubber.
(2) Pressure differential across the entire system.
(3) Scrubber solution pH.
(4) Scrubber solution recirculation flow rate.

(b) The permittee shall operate and maintain the following monitoring equipment to measure the process parameters described in (a), above:

(1) Magnahelic/photohelic gauge to measure the pressure differential across the scrubber.
(2) Magnahelic/photohelic gauge to measure the pressure differential across the entire system.
(3) pH analyzer to measure the scrubber solution pH.
(4) Flow meter (e.g., rotameter) to measure the scrubber solution recirculation flow rate.

(c) The permittee shall monitor the process parameters described in (a), above, once per day while the source and scrubber are operating.

(d) The permittee shall average the daily values of (c), above, on a weekly basis for the purpose of determining an excursion.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016B & 67-05016G]

SECTION E. Source Group Restrictions.

(a) The permittee shall calculate the resultant monthly monthly VOC and hazardous air pollutant (HAP) emissions emitted by each Group 009 cold box coremaking machine using manufacturer-supplied emission factors, AP-42 emissions factors, material balance, performance (stack) test data, or other method(s) approved by the Department. The scrubber VOC destruction efficiency shall be determined by the average of the three (3) runs of the performance test conducted on Source ID 124 on February 4, 2003.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016B & 67-05016G]

(a) The permittee shall maintain detailed records of all maintenance performed on the Group 009 scrubber.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §64.9 and 40 CFR Part 70, §70.6(a)(3)(ii)(B) and P.A. No. 67-05016G]

(a) The permittee shall maintain records of the following information:

(1) Daily readings of the following process parameters, as well as the weekly average:

(A) Pressure differential across the scrubber.
(B) Pressure differential across the entire system.
(C) Scrubber solution pH.
(D) Scrubber solution recirculation flow rate.

(2) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(3) The permittee shall record all inspections, repairs and maintenance performed on the process parameter monitoring equipment.

(4) The permittee shall maintain records of all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(b) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

 # 006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016B & 67-05016G]

(a) The permittee shall maintain records of the monthly usage of sand consumed by each Group 009 cold box coremaking machine as well as its monthly operating hours.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

SECTION E. Source Group Restrictions.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016B & 67-05016G and 25 Pa. Code §135.3]

The permittee shall include the following information in the annual air emissions report that is referenced in Section C, Condition #019(a):

(a) Monthly usage of sand consumed by each Group 009 cold box coremaking machine.

(b) Resultant monthly VOC and HAP emissions emitted by each core center machine, as well as the emissions calculations.

(c) Total days and hours of operation for each core center machine.

 # 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §64.9 and 40 CFR Part 70, §70.6(a)(3)(iii)(A)]

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

(b) The permittee shall report all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

VI. WORK PRACTICE REQUIREMENTS.

 # 009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval Nos. 67-05016B & 67-05016G]

The permittee shall operate the scrubber at all times that one or more Group 009 cold box coremaking machine machine(s) are operating.

 # 010 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §§64.3 & 64.6]

(a) The permittee shall use the following process parameter ranges in determining excursions for the scrubber:

(1) Scrubber pressure differential between 0.1 inch of water and 2.0 inches of water.
(2) System pressure differential between 5.0 inches of water and 7.0 inches of water.
(3) Scrubber solution pH not to exceed 4.5.
(4) Scrubber solution recirculation flow rate no less than 60 gallons per minute (gpm).

(b) A departure from the process parameter ranges specified in (a), above, based on the average of the daily process parameter values, on a weekly basis, shall be defined as an excursion. Failure to perform a daily monitoring/record keeping of any process parameter shall also be defined as an excursion.

(c) The permittee shall operate and maintain the following monitoring equipment to measure scrubber process parameters:

(1) Magnahelic/photohelic gauge to measure the pressure differential across the scrubber. The magnahelic/photohelic gauge shall measure the pressure differential of the inlet and outlet of the scrubber.
(2) Magnahelic/photohelic gauge to measure the pressure differential across the entire system. The magnahelic/photohelic gauge shall measure the pressure differential of the inlet and outlet of the entire system.
(3) pH analyzer to measure the scrubber solution pH. The analyzer shall measure the pH in the scrubber solution reservoir.

SECTION E. Source Group Restrictions.

(4) Flow meter (e.g. rotameter) to measure the scrubber solution recirculation flow rate. The meter shall measure the recirculation flow rate of the scrubber solution as it leaves the scrubber solution reservoir and heads to the scrubber's spray nozzle.

(d) The permittee shall check all process parameter monitoring equipment a minimum of once per year to ensure measurement accuracy. Monitoring equipment that is not operating with a measurement accuracy that meets manufacturer's specifications shall be replaced with new calibrated monitoring equipment. Results of the annual monitoring equipment measurement accuracy checks shall be retained on site for a minimum of five (5) years and made available to the Department upon request.

(e) The permittee shall maintain spare monitoring equipment and related parts on site for routine repairs/replacement.

(f) The permittee shall maintain an ample supply of spare (replacement) packing material and sulfuric acid for the scrubber on site.

 # 011 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

Each Group 009 cold box coremaking machine and the associated scrubber shall be:

(a) Operated in such a manner as to not cause air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§4001 - 4015) and 25 Pa. Code §121.1;

(b) Operated and maintained in a manner consistent with good operating and maintenance practices; and

(c) Operated and maintained in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

 # 012 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, §§64.8 & 64.9]

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six excursions of any given parameter occur in a six-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement the QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

(d) The QIP shall include procedures for evaluating the control device performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices.
(2) Process operation changes.
(3) Appropriate improvements to control device methods.
(4) Other steps appropriate to correct performance.

SECTION E. Source Group Restrictions.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.
(2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or record keeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 010

Group Description: SOURCES HAVING AN ANNUAL VOC EMISSION LIMIT (P.A. NO. 67-05016G)

Sources included in this group

ID	Name
125	MOLDING/POURING/COOLING/SHAKEOUT LINE
126	SHOTBLAST MACHINE
127	LAEMPE COLD BOX COREMAKING MACHINE (PLANT 7)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

(a) The permittee shall comply with a VOC emission cap of 34.9 tons during any consecutive 12-month period for the Group 010 sources. The VOC emission cap for the Group 010 sources is a compliance cap, imposed for New Source Review (NSR) applicability purposes. This VOC emission cap shall not provide any relief from NSR applicability determinations for any future physical change or change in the method of operation of the Group 010 sources at the facility. The Group 010 sources covered under the VOC emission cap shall be considered as one emissions unit, as defined in 25 Pa. Code Section 121.1 (relating to definitions), for NSR applicability purposes. Any future NSR applicability determinations must consider the baseline actual VOC emissions of all of the Group 010 sources as one emissions unit and not the VOC emission cap. In the event that major NSR is triggered for any of the Group 010 sources covered by the VOC emission cap, LAER shall apply to all of the Group 010 sources. If the company finds it necessary to relax the VOC emission cap at some future date, the requirements of 25 Pa. Code Section 127.203(e)(2) shall apply.

(b) The provisions of part (a), above, do not preclude the permittee from seeking and procuring a plant-wide applicability limit (PAL) pursuant to 25 Pa. Code Section 127.18.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-05016G]

(a) The permittee shall calculate the monthly VOC emissions from the Group 010 sources using AP-42 emission factors, manufacturer-supplied emission factors, material balance, performance (stack) test data, or other method(s) acceptable to the Department. The permittee shall maintain records of the monthly VOC emissions as well as the calculations.

(b) The permittee shall calculate and maintain records of the cumulative VOC emissions from the Group 010 sources for each consecutive 12-month period in order to demonstrate compliance with Condition #001, above.

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

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 (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 011

Group Description: EMERGENCY ENGINES

Sources included in this group

ID	Name
502	134 HP KOHLER EMERGENCY ENGINE (FOUNDRY)
504	330 HP KOHLER EMERGENCY ENGINE (FOUNDRY)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from any Group 011 engine in a manner that the concentration of PM in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides from any Group 011 engine 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 §127.512]

Operating permit terms and conditions.

Each Group 011 engine shall not operate more than 500 hours during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain records of each Group 011 engine's monthly hours of operation.

(b) The permittee shall maintain records of each Group 011 engine's cumulative hours of operation for each consecutive 12-month period. This is necessary to demonstrate compliance with Condition #003, above.

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Each Group 011 engine shall be:

SECTION E. Source Group Restrictions.

(a) Operated in such a manner as not to cause air pollution.

(b) Operated and maintained in a manner consistent with good operating and maintenance practices.

(c) Operated and maintained in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: 012

Group Description: SOURCES SUBJECT TO MACT SUBPART ZZZZ

Sources included in this group

ID	Name
502	134 HP KOHLER EMERGENCY ENGINE (FOUNDRY)
504	330 HP KOHLER EMERGENCY ENGINE (FOUNDRY)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 001 [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?

§63.6585 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

SECTION E. Source Group Restrictions.

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) [N/A – NOT USED FOR NATIONAL SECURITY PURPOSES]

(f) [N/A – RICE NOT RESIDENTIAL, COMMERCIAL OR INSTITUTIONAL]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

§63.6590 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) [N/A – NOT A MAJOR HAP SOURCE]

(ii) [N/A – NOT A MAJOR HAP SOURCE]

(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.

(i) [N/A – NOT A MAJOR HAP SOURCE]

(ii) [N/A – NOT A MAJOR HAP SOURCE]

(iii) [N/A – NOT A NEW SOURCE]

(3) [N/A – NOT A RECONSTRUCTED SOURCE]

(b) Stationary RICE subject to limited requirements.

(1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f).

(i) [N/A – NOT A MAJOR HAP SOURCE]

(ii) [N/A – NOT A MAJOR HAP SOURCE]

(2) [N/A – NOT A MAJOR HAP SOURCE AND DOES NOT COMBUST LFG]

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) [N/A – NOT A MAJOR HAP SOURCE]

SECTION E. Source Group Restrictions.

(ii) [N/A – NOT A MAJOR HAP SOURCE]

(iii) [N/A – NOT A MAJOR HAP SOURCE]

(iv) [N/A – NOT A MAJOR HAP SOURCE]

(v) [N/A – NOT A MAJOR HAP SOURCE AND DOES NOT COMBUST LFG]

(c) [N/A – NOT SUBJECT TO SUBPARTS IIII OR JJJJ]

[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]

§63.6595 When do I have to comply with this subpart?

(a) Affected sources.

(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. IF YOU HAVE an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI 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 CI RICE LOCATED AT AN AREA SOURCE OF HAP EMISSIONS, YOU MUST COMPLY WITH THE APPLICABLE EMISSION LIMITATIONS, OPERATING LIMITATIONS, AND OTHER REQUIREMENTS NO LATER THAN MAY 3, 2013.

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, OPERATING LIMITATIONS, AND OTHER REQUIREMENTS NO LATER THAN OCTOBER 19, 2013.

(2) [N/A – NOT A MAJOR HAP SOURCE]

(3) [N/A – NOT A MAJOR HAP SOURCE]

(4) [N/A – NOT A MAJOR HAP SOURCE]

(5) [N/A – NOT A MAJOR HAP SOURCE]

(6) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(7) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(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,

SECTION E. Source Group Restrictions.

2010; 78 FR 6701, Jan. 30, 2013]

Emission and Operating Limitations

§63.6600 What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§63.6601 What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?

[N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§63.6602 What emission limitations and other requirements must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

[N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§63.6603 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?

Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in §63.6620 and Table 4 to this subpart.

(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.

TABLE 2d REQUIREMENTS:

4. For each EMERGENCY STATIONARY CI RICE and black start stationary CI RICE**, you must meet the following requirements, except during periods of startup:

a. Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; *

b. Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and

c. Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.

5. For each 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**, you must meet the following requirements, except during periods of startup:

a. Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; *

b. Inspect spark plugs every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and

c. Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary.

SECTION E. Source Group Restrictions.

*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.

**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.

[END OF TABLE 2d REQUIREMENTS]

(b) [N/A – EMERGENCY ENGINE(S)]

(c) [N/A – EMERGENCY ENGINE(S)]

(d) [N/A – EMERGENCY ENGINE(S)]

(e) [N/A – EMERGENCY ENGINE(S)]

(f) [N/A – EMERGENCY ENGINE(S)]

[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; 89 FR 70505, August 30, 2024]

§63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?

(a) [N/A – EMERGENCY ENGINE(S)]

(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in § 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(c) [N/A – NOT A MAJOR SOURCE]

(d) [N/A – NOT IN SPECIFIED GEOGRAPHIC LOCATIONS]

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020]

General Compliance Requirements

§63.6605 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

SECTION E. Source Group Restrictions.

the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

Testing and Initial Compliance Requirements

§63.6610 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[N/A – NOT A MAJOR HAP SOURCE]

§63.6611 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating of greater than or equal to 250 and less than or equal to 500 brake HP located at a major source of HAP emissions?

[N/A – NOT A MAJOR HAP SOURCE]

§63.6612 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing 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 stationary RICE located at an area source of HAP emissions?

[N/A – NO PERFORMANCE TESTING REQUIRED]

§63.6615 When must I conduct subsequent performance tests?

[N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§63.6620 What performance tests and other procedures must I use?

[N/A – NO PERFORMANCE TESTING REQUIRED]

§63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

(a) [N/A – CEMS NOT REQUIRED]

(b) [N/A – CPMS NOT REQUIRED]

(c) [N/A – LFG NOT USED]

(d) [N/A – NOT A MAJOR HAP SOURCE]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-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) [N/A – NOT A MAJOR HAP SOURCE]

(2) [N/A – NOT A MAJOR HAP SOURCE]

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) [N/A – EMERGENCY ENGINE(S)]

(5) [N/A – EMERGENCY ENGINE(S)]

(6) [N/A – EMERGENCY ENGINE(S)]

SECTION E. Source Group Restrictions.

(7) [N/A – EMERGENCY ENGINE(S)]

(8) [N/A – EMERGENCY ENGINE(S)]

(9) [N/A – EMERGENCY ENGINE(S)]

(10) [N/A – EMERGENCY ENGINE(S)]

(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.

(g) [N/A – EMERGENCY ENGINE(S)]

(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 and filter 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 and filter 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 and filter. If any of the limits are exceeded, the engine owner or operator must change the oil and filter 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 and filter 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 and filter 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, 8, 10, 11, or 13 of table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil and filter 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 and filter 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 and filter. If any of the limits are exceeded, the engine owner or operator must change the oil and filter 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 and filter 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 and filter 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; 89 FR 70505, August 30, 2024]]

§63.6630 How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate initial compliance with each emission limitation, operating limitation, and other requirement that

SECTION E. Source Group Restrictions.

applies to you according to Table 5 of this subpart. [N/A – NONE OF THE CATEGORIES IN TABLE 5 APPLY TO EMERGENCY ENGINES]

(b) [N/A – PERFORMANCE TESTING NOT REQUIRED]

(c) [N/A – NOCS NOT REQUIRED FOR EXISTING EMERGENCY RICE]

(d) [N/A – EMERGENCY ENGINE(S)]

(e) [N/A – EMERGENCY ENGINE(S)]

[69 FR 33506, June 15, 2004, as amended at 78 FR 6704, Jan. 30, 2013]

Continuous Compliance Requirements

§63.6635 How do I monitor and collect data to demonstrate continuous compliance?

[N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other 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.

TABLE 6 REQUIREMENTS

9. FOR EACH existing emergency and black start stationary RICE <=500 HP located at a major source of HAP, existing non-emergency stationary RICE <100 HP located at a major source of HAP, EXISTING EMERGENCY and black start STATIONARY RICE LOCATED AT AN AREA SOURCE OF HAP, existing non-emergency stationary CI RICE <=300 HP located at an area source of HAP, existing non-emergency 2SLB stationary RICE located at an area source of HAP, existing non-emergency stationary SI RICE located at an area source of HAP which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, existing non-emergency 4SLB and 4SRB stationary RICE <=500 HP located at an area source of HAP, existing non-emergency 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that operate 24 hours or less per calendar year, and existing non-emergency 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that are remote stationary RICE, complying with the requirement to “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.

[END OF TABLE 6 REQUIREMENTS]

(b) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(c) [N/A – ANNUAL COMPLIANCE DEMONSTRATION NOT REQUIRED]

(d) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and

SECTION E. Source Group Restrictions.

less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE. [EXISTING EMERGENCY RICE AT AREA HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

(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) There is no time limit on the use of emergency stationary RICE in emergency situations. [N/A - THIS REQUIREMENT IS SUPERSEDED DUE TO THE FOLLOWING: EACH RICE SHALL NOT OPERATE MORE THAN 500 HOURS DURING ANY CONSECUTIVE 12-MONTH PERIOD PURSUANT TO SECTION E (GROUP 011), CONDITION #003]

(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).

(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) [Reserved]

(3) [NA – NOT A MAJOR HAP SOURCE]

(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) [N/A - THIS APPLIED TO PRE-MAY 3, 2014]

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

SECTION E. Source Group Restrictions.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

[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]

Notifications, Reports, and Records

§63.6645 What notifications must I submit and when?

(a) You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) [N/A – NOT A MAJOR HAP SOURCE]

(2) [N/A PER (5) BELOW]

(3) [N/A – NOT A MAJOR HAP SOURCE]

(4) [N/A – NOT A MAJOR HAP SOURCE]

(5) THIS REQUIREMENT DOES NOT APPLY IF YOU OWN OR OPERATE an existing stationary RICE less than 100 HP, AN EXISTING STATIONARY EMERGENCY RICE, OR AN EXISTING STATIONARY RICE THAT IS NOT SUBJECT TO ANY NUMERICAL EMISSION STANDARDS.

(b) [N/A – NOT A MAJOR HAP SOURCE]

(c) [N/A – NOT A MAJOR HAP SOURCE]

(d) [N/A – NOT A MAJOR HAP SOURCE]

(e) [N/A – NOT A MAJOR HAP SOURCE]

(f) [N/A – §63.6590(b) DOES NOT APPLY]

(g) [N/A – PERFORMANCE TEST NOT REQUIRED]

(h) [N/A – PERFORMANCE TEST NOT REQUIRED]

(i) [N/A – EMERGENCY ENGINE(S)]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020; 89 FR 70516, Aug. 30, 2024]

§63.6650 What reports must I submit and when?

(a) You must submit each report in Table 7 of this subpart that applies to you.

TABLE 7 REQUIREMENTS

SECTION E. Source Group Restrictions.

4. For each emergency stationary RICE that operate for the purposes specified in §63.6640(f)(4)(ii), you must submit a Report. The report must contain the information in §63.6650(h)(1). You must submit the report annually according to the requirements in §63.6650(h)(2)-(3) and (i).

[END OF TABLE 7 REQUIREMENTS]

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

(1) [N/A – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(2) [N/A – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(3) [N/A – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(4) [N/A – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(5) [N/A – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(6) For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in §63.6595 and ending on December 31.

(7) For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for your affected source in §63.6595.

(8) For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.

(9) For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.

(c) [N/A – "COMPLIANCE REPORT" NOT REQUIRED]

(d) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(f) [N/A – NOT SUBJECT TO TITLE V PERMITTING]

(g) [N/A – LFG NOT USED]

(h) If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates for the purpose specified in § 63.6640(f)(4)(ii), you must submit an annual report according to the requirements in paragraphs (h)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating in brake HP, year construction of the engine commenced (as defined in § 63.2, where the exact year is not known, provide the best estimate), and type of engine (CI, SI 2SLB, SI 4SLB, or SI 4SRB).

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

SECTION E. Source Group Restrictions.

(v)-(vi) [Reserved]

(vii) Hours spent for operation for the purpose specified in §63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(viii) If there were no deviations from the fuel requirements in §63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

(ix) If there were deviations from the fuel requirements in §63.6604 that apply to the engine (if any), information on the number, duration (in hours), and cause of deviations, and the corrective action taken.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) Before February 26, 2025, the annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (https:// cdx.epa.gov/). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 63.13. Beginning on February 26, 2025, the annual report must be submitted according to paragraph (i) of this section.

(i) Beginning on February 26, 2025 for the annual report specified in § 63.6650(h) and February 26, 2025 or one year after the report becomes available in CEDRI, whichever is later for all other semiannual or annual reports, submit all semiannual and annual subsequent compliance reports using the appropriate electronic report template on the CEDRI website (https:// www.epa.gov/electronic-reporting-air- emissions/cedri) for this subpart and following the procedure specified in § 63.9(k), except any CBI must be submitted according to the procedures in § 63.6645(h). The date report templates become available will be listed on the CEDRI website. Unless the Administrator or delegated state agency or other authority has approved a different schedule for submission of reports, the report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022; 89 FR 70505, August 30, 2024]

§63.6655 What records must I keep?

(a) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(b) [N/A – NO CEMS OR CPMS]

(c) [N/A – LFG NOT USED]

(d) [N/A – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(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) [N/A – NOT A MAJOR HAP SOURCE]

(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

SECTION E. Source Group Restrictions.

how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in §63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) [N/A – NOT A MAJOR HAP SOURCE]

(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; 87 FR 48607, Aug. 10, 2022; 89 FR 70518, Aug. 30, 2024]

§63.6660 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]

Other Requirements and Information

§63.6665 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE. [EXISTING EMERGENCY RICE AT AREA HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

[75 FR 9678, Mar. 3, 2010]

Regulatory Changes:

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines shall comply with all applicable requirements of the Subpart. 40 CFR §63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

US EPA
Region III, Air and Radiation Division
Permits Branch (3AD10)
Four Penn Center
1600 John F. Kennedy Boulevard

SECTION E. Source Group Restrictions.

Philadelphia, PA 19103-2852

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

***** Permit Shield in Effect. *****

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

This operating permit includes sources and applicable conditions covered in the previous operating permit and supersedes that permit.

NOTE: The capacities/throughputs listed in Section A are for informational use only and should not be used as enforceable limitations.

The following sources of minor significance have been exempted from work practice standards, and testing, monitoring, recordkeeping, and reporting requirements, except as noted below, and also with the understanding that air inventory emissions should be reported, if required, per DEP's air inventory reporting instructions:

* Propane-fired Torches

* Above Ground Storage Tanks having a capacity less than 2,000 gallons

* Above Ground Storage Tanks having a capacity greater than or equal to 2,000 gallons and less than or equal to 40,000 gallons which contain VOCs having a vapor pressure less than or equal to 1.5 psia (10.5 kilopascals) under actual storage conditions

* Plastic and Aluminum Milling Machine (Plant No. 7) controlled by a Cyclone Collector

* Fostoria Natural Gas-fired Core Drying Oven

* Two (2) uncontrolled Natural Gas-fired Redford Shell Core Machines (Plant No. 7; addressed by RFD*Online RFD #2338 (exemption approved online 7/28/11 & via letter dated 8/10/11)

* Plant maintenance and upkeep activities (such as grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, not related to the source's primary business activity, and not otherwise triggering a permit modification, as stated in Air Quality Permit Exemptions, No. 275-2101-003 (effective July 1, 2021), No. 17, at page 20.

* Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification, as stated in Air Quality Permit Exemptions, No. 275-2101-003 (effective July 1, 2021), No. 18, at page 20.

* Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis, as stated in Air Quality Permit Exemptions, No. 275-2101-003 (effective July 1, 2021), No. 42, at page 21.

* Use of ink/paint for inspection, testing, quality control/assurance, integrity indication, or identification purposes. (this exemption applies for de minimis ink/paint VOC emissions)

* Use of indicator paste for inspection, testing, quality control/assurance, integrity indication, or identification purposes. (this exemption applies for de minimis indicator paste VOC emissions)

The following serves as a description of some of the Source ID's:

Source ID 103 consists of sources previously the subject of Plan Approval Nos. 67-304-034B and 67-304-034D.

Source ID 106 consists of sources previously the subject of Operating Permit No. 67-304-030.

Source ID 108 consists of sources previously the subject of Operating Permit No. 67-304-023A.

Source ID 109 consists of the following silos: two bentonite/seacoal pre-mix silos and one silica sand silo (previously covered by Operating Permit No. 67-304-023A); associated with Source ID 108.

SECTION H. Miscellaneous.

Source ID 110 consists of sources previously the subject of Operating Permit No. 67-304-024 and Plan Approval Nos. 67-304-024A, 67-05016A and 67-05016H.

Source ID 111 consists of the following silos: two bentonite/seacoal pre-mix silos and one silica sand silo (previously covered by Plan Approval No. 67-304-024B); associated with Source ID 110.

Source ID 112 consists of sources previously the subject of Operating Permit No. 67-304-034A and Plan Approval No. 67-05016C, as well as two (2) Ajax Magnathermic vertical channel electric induction furnaces.

Source ID 112A/B consists of sources previously the subject of Operating Permit No. 67-304-034A.

Source ID 112C consists of sources previously the subject of Plan Approval No. 67-304-034E.

Source ID 113 consists of sources previously the subject of Operating Permit Nos. 67-304-026 and 67-304-038, Plan Approval No. 67-05016D, as well as two (2) Inductotherm channel electric induction furnaces and a Brown Boveri Corp. coreless electric induction furnace.

Source ID 114A consists of sources previously the subject of Plan Approval No. 67-05016E.

Source ID 116 consists of an 8000 gallon above ground naphtha storage tank (associated with Source ID 101) and an 8000 gallon above ground methanol tank (associated with Source ID 105).

Source ID 119 consists of the following silos: two bentonite/seacoal pre-mix silos and one new sand silo (previously covered by Plan Approval No. 67-304-024B); associated with Source ID 112.

Source ID 120 consists of sources previously the subject of Plan Approval No. 67-304-034C.

Source ID 121 consists of sources previously the subject of Plan Approval No. 67-304-044.

Source IDs 124 and 124A consist of sources previously the subject of Plan Approval No. 67-05016B.

Source IDs 125, 126, and 127 consist of sources previously the subject of Plan Approval Nos. 67-05016G and 67-05016H (Source ID 125).

Source ID 502 is a NG-fired emergency engine having a maximum rated capacity of 134 bhp with a maximum power output capacity of 90 kW. It is a SI engine and is subject to MACT Subpart ZZZZ pursuant to 40 CFR §63.6585(a). It is defined as an existing stationary engine pursuant to 40 CFR §63.6590(a)(1)(iii) since it's construction commenced before 6/12/06 (constructed in 1995).

Source ID 504 is a diesel-fired emergency engine having a maximum rated capacity of 330 bhp with a maximum power output capacity of 205 kW. It is a compression ignition (CI) engine and is subject to MACT Subpart ZZZZ pursuant to 40 CFR §63.6585(a). It is defined as an existing stationary engine pursuant to 40 CFR §63.6590(a)(1)(iii) since it's construction commenced before 6/12/06 (constructed in 2004).

The following serves as a description of source emission units and controls grouped by plant:

Old Foundry - Plant 3

Source ID 109 – Sand / Pre-Mix Silos (#1), is comprised of the following emission units and control:

Line	Emission Unit	Control Unit
-	Silos	Dynamic Air Bin Vent Collector, Source ID C109

SECTION H. Miscellaneous.

Source ID 110 – Sand Shakeout Lines A&B, is comprised of the following emission units and controls:

Line	Emission Unit	Control Unit
Sinto	Sand Handling/Mullers	Seneca Fabric Filter Collector F-546, Source ID C110
Sinto	Shakeout	Seneca Fabric Filter Collector F-546, Source ID C110

Source ID 111 – Sand / Pre-Mix Silos (#2), is comprised of the following emission units and controls:

Line	Emission Unit	Control Unit
-	Silos	Flex-Kleen Bin Vent Collectors, Source ID C111

Source ID 113 – Melting Operations, is comprised of the following emission units and control:

Line	Emission Unit	Control Unit
-	Furnaces	Ultra Industries Fabric Collector F-181, Source ID C113

Source ID 114A – Old Foundry - Blast Cabinet, is comprised of the following emission unit and control:

Line	Emission Unit	Control Unit
Sinto	Blasting	Pangborn Fabric Collector F-184, Source ID C114

Source ID 120 – Old Foundry - Molding Machines, is comprised of the following emission units and control:

Line	Emission Unit	Control Unit
Sinto	Molding	Seneca Environmental Fabric Collector F-450, Source ID C120

Source ID 125 – Molding / Pouring / Cooling / Shakeout Line, is comprised of the following emission units and controls:

Line	Emission Unit	Control Unit
DISA	Sand Handling/Muller	Torit Dust Collector F-929, Source ID C125B; MAC Fabric Collector F-199, Source ID C108; Baumco Fabric Collector F-182, Source ID C125A
DISA	Pouring	AAF Fabric Filter Collector F-183, Source ID C106
DISA	Cooling	AAF Fabric Filter Collector F-183, Source ID C106
DISA	Shakeout	Pangborn Fabric Collector F-185, Source ID C108A
DISA	Didiion Drum	Pangborn Fabric Collector F-185, Source ID C108A

Source ID 126 – Shotblast Machine, is comprised of the following emission unit and control:

Line	Emission Unit	Control Unit
DISA	Blasting	Pangborn Fabric Collector F-747, Source ID C126

SECTION H. Miscellaneous.

Coremaking and Casting Cleaning - Plant 7

Source ID 121 – Casting Cleaning Operations, is comprised of the following emission unit and control:

Emission Unit	Control Unit
Casting Cleaning	Seneca Environmental Fabric Collector, Source ID C121

Source ID 124 – Laempe Coremaking Operation, is comprised of the following emission unit and control:

Emission Unit	Control Unit
Coremaking	Dakota Packed Bed Scrubber, Source ID C124

Source ID 124A – Source 124 Sand Silo, is comprised of the following emission unit and control:

Emission Unit	Control Unit
Silo	Sly Bin Vent Collector, Source ID C124A

Source ID 103 – Core Making Machines, is comprised of the following emission unit and control:

Emission Unit	Control Unit
Coremaking	None

Source ID 127 – Laempe Cold Box Coremaking Machine, is comprised of the following emission unit and control:

Emission Unit	Control Unit
Coremaking	Dakota Packed Bed Scrubber, Source ID C124

Source ID 128 – Robotic Casting Cleaning Cell, is comprised of the following emission unit and control:

Emission Unit	Control Unit
Casting Cleaning	Donaldson Torit Cartridge Collector, Source ID C128

New Foundry - Plant 9

Source ID 112 – Melt / Tundish Ladles, is comprised of the following emission units and control:

Line	Emission Unit	Control Unit
Hunter	Furnaces (2)	Farr Fabric Collector – F350, Source ID C112

SECTION H. Miscellaneous.

Source ID 112A/B - Pour / Cool / Shakeout / Blast, is comprised of the following emission units and controls:

Line	Emission Unit	Control Unit
Hunter	Carousel Pouring F-533	MAC Fabric Collector – F9-550, Source ID C112B
Hunter	Vulcan Cooling Unit F-798	MAC Fabric Collector -F9-550, Source ID C112B
Hunter	Didion Drum F-917	MAC Fabric Collector – F9-551, Source ID C112A
Hunter	Hunter Mold Machine F-541	Uncontrolled
Hunter	Hunter Mold Machine F-545	Uncontrolled
Hunter	Shakeout F9-557 / F9-559 / F9-926	MAC Fabric Collector F9-550, Source ID C112B; and MAC Fabric Collector F9-551, Source ID C112A
Hunter	Blasting Machine F-925	MAC Fabric Collector F9-550, Source ID C112B

Source ID 112C – Sprue Breaker Station, is comprised of the following emission unit and control:

Line	Emission Unit	Control Unit
Hunter	Breaker Station	Seneca ENV Fabric Collector F9-592, Source ID C112C

Source ID 119 – Sand / Pre-Mix Silos, is comprised of the following emission units and control:

Line	Emission Unit	Control Unit
Hunter	3 Silos	MAC Bin Vent Collector F-438, Source ID C119

RACT Operating Permit No. 67-2016 was issued August 4, 1995, and addressed the following Source IDs: 101, 103, 110, 112, 112A/B, and 120. This Title V operating permit incorporates the conditions of the RACT permit and supersedes the RACT permit.

Revision No. 1 of the facility's Title V Permit issued on July 13, 2022 incorporated a change of ownership of the Bendix Foundry from RH Sheppard Co. to Eagle Casting LLC. The following Sources formerly included in this Title V operating permit have been retained by RH Sheppard Co.:

Source ID 033 - Boiler 1
Source ID 034 - Boiler 2
Source ID 035 - Boiler 3
Source ID 102 - Surface Coating Operations
Source ID 105 - Heat Treat Furnaces & Draw Ovens
Source ID 115 - Batch Burn Off Oven
Source ID 501 - 27 HP Generac Emergency Engine (Plant 5)
Source ID 503 - 89 HP Kohler Emergency Engine (Plant 1)

This permit is Revision No. 2 of the facility's Title V Operating Permit issued on July 13, 2022. This revision incorporates the requirements of Plan Approval 67-05016I, which update the Group 006 CAM plan for sources controlled by fabric or bin vent collectors, and completes the project authorized under that plan approval.

****** End of Report ******