COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	June 1, 2022	Effective Date:	May 1, 2026
Revision Date:	May 1, 2026	Expiration Date:	June 30, 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: 06-05040

Federal Tax Id - Plant Code: 23-1315454-3

Owner Information

Name: EAST PENN MFG CO
Mailing Address: PO BOX 147
LYONS, PA 19536-0147

Plant Information

Plant: EAST PENN MFG CO INC/SMELTER PLT
Location: 06 Berks County 06953 Richmond Township
SIC Code: 3341 Manufacturing - Secondary Nonferrous Metals

Responsible Official

Name: JORDAN GEIST
Title: SR DIR METALS DIVISION
Phone: (610) 682 - 6361 Ext.2894 Email: jgeist@dekabatteries.com

Permit Contact Person

Name: ERIC G PEFFEL
Title: DIR OF ENV AFFAIRS
Phone: (610) 682 - 6361 Email: epeffel@dekabatteries.com

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

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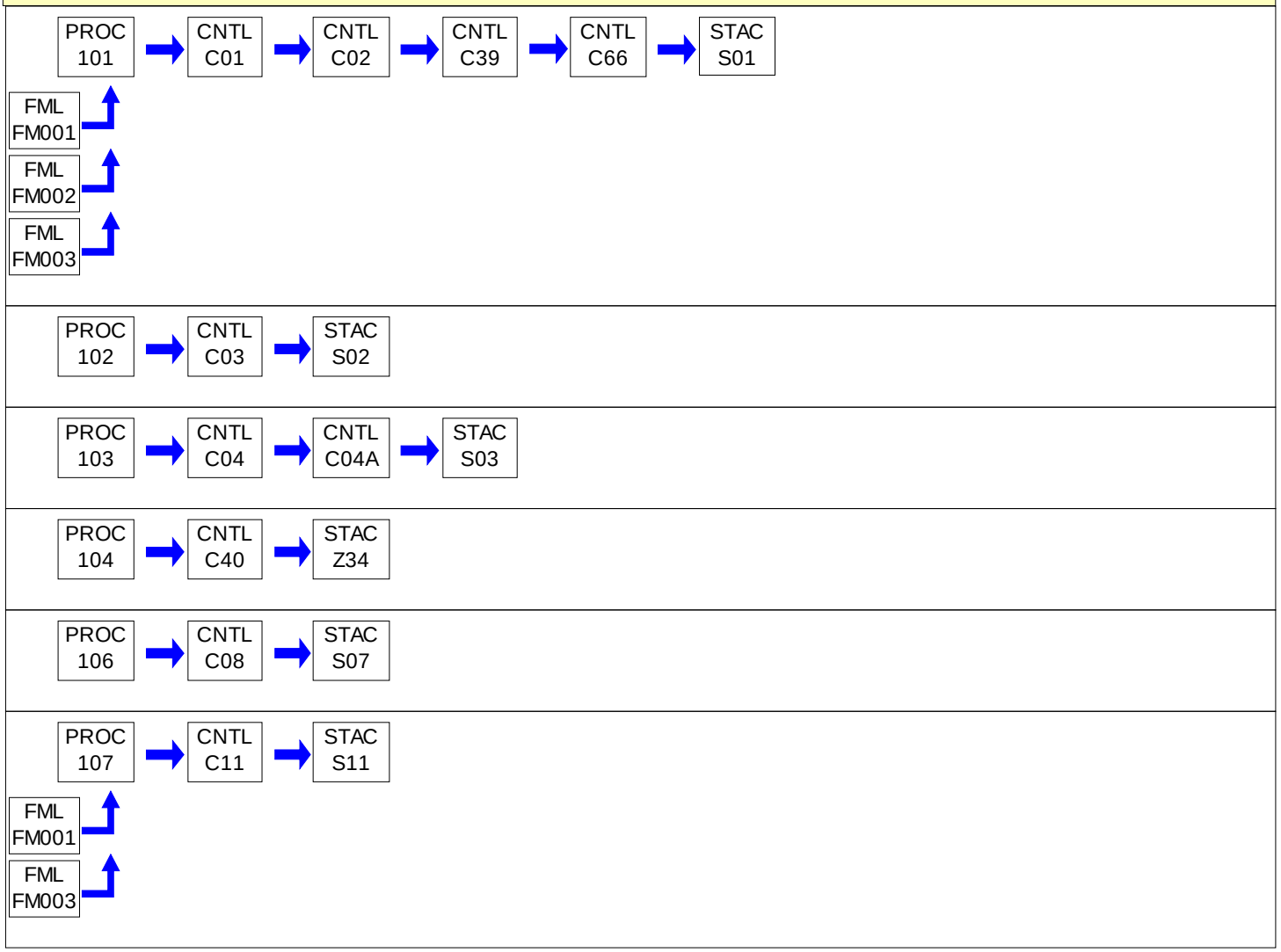
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
101	BLAST FURNACE - BH #5	6.250	Tons/HR	LEAD
		3,000.000	Lbs/HR	COKE
102	BLAST FURNACE VENTILATION SYSTEM-BH #3	6.250	Tons/HR	LEAD
103	MATERIAL STORAGE ROOM VENTILATION-BH#1			
104	PLANT ROADWAYS			
106	BATTERY BREAKER & SEPARATION OPERATION	25.000	Tons/HR	SCRAP LEAD
107	SIX REFINING KETTLES - BH#4	19.200	Tons/HR	LEAD
108	REVERBERATORY FURNACE & TAPPING - BH #5	12.900	Tons/HR	LEAD
		31.000	MCF/HR	NATURAL GAS
		350.000	Gal/HR	PROPANE
109	REVERBERATORY FURN VENTILATION GP#2-BH#5A	12.900	Tons/HR	LEAD
110	SCRAP DRYER - BH #6	13.500	MCF/HR	NATURAL GAS
		150.000	Gal/HR	PROPANE
		45,000.000	Lbs/HR	LEAD SCRAP
112	MISCELLANEOUS COMBUSTION SOURCES			
113A	EMERGENCY ENGINES PRE-2006			
113B	EMERGENCY SI ENGINES POST-2006			
115	MISCELLANEOUS CHEMICAL USE			
118	FOUR REFINING KETTLES – BH#4	19.200	Tons/HR	LEAD
711	SMELTER ANNEX: SLAG STORAGE			
C01	THERMAL AFTERBURNER: FURNACE SYSTEM	7,000.000	CF/HR	NATURAL GAS
		77.350	Gal/HR	PROPANE
C02	FABRIC COLLECTOR: FURNACE SYSTEM			
C02A	FABRIC COLLECTOR W/ HEPA: REVERB VENT			
C03	FABRIC COLLECTOR W/ HEPA: BLAST VENT			
C04	FABRIC COLLECTOR: MAT. STORAGE ROOM			
C04A	MATERIAL STORAGE ROOM - HEPA			
C08	SCRUBBER: BATTERY BREAKING			
C10	FABRIC COLLECTOR W/HEPA: SCRAP DRYER			
C11	FABRIC COLLECTOR W/HEPA: REFINING KETTLES			
C39	SPRAY SCRUBBER: FURNACE SYSTEM			
C40	SWEEPER			
C66	MIST ELIMINATOR: FURNACE SYSTEM			
C711	FABRIC COLLECTOR: SA SLAG STORAGE			
C711A	HEPA: SMELTER ANNEX SLAG STORAGE			
FM001	PROPANE TANK FARM			
FM002	COKE			
FM003	NATURAL GAS PIPELINE			
S01	STACK: FURNACE SYSTEM			
S02	STACK: BLAST VENTILATION			

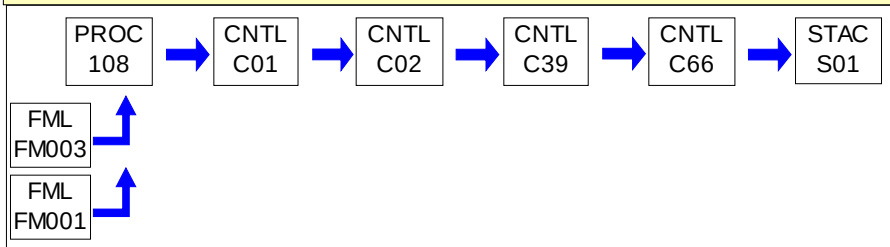
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S03	STACK: MATERIAL STORAGE ROOM		
S07	STACK: BATTERY BREAKING		
S11	STACK: REFINING KETTLES		
S12	STACK: ROTARY DRYER		
S13A	STACK: EMERGENCY ENGINES PRE-2006		
S13B	STACK: EMERGENCY SI ENGINES POST-2006		
S14	STACK: HOLDING KETTLE BURNERS		
S39	STACK: REVERB FURN VENTILATION		
S711	STACK: SMELTER ANNEX SLAG STORAGE		
Z01	FUGITIVE: MISC COMBUSTION		
Z05	FUGITIVE: MISC CHEMICAL USE		
Z34	FUGITIVE: ROADWAYS		

PERMIT MAPS



PERMIT MAPS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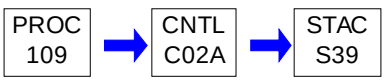
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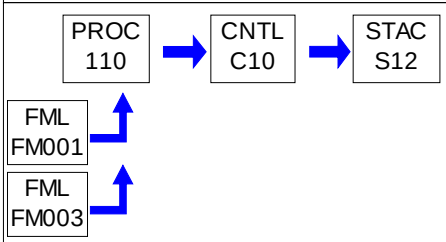
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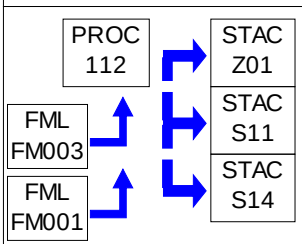
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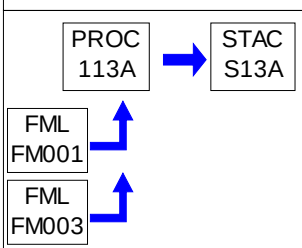
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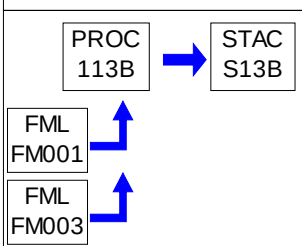
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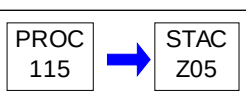
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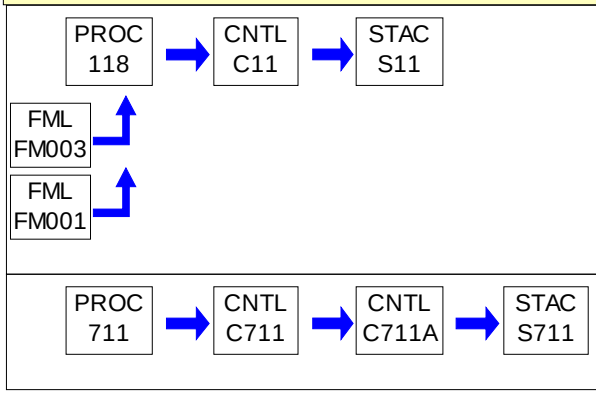
PERMIT MAPS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STAC
S711

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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

#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

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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 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.

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#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.

#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.

SECTION B. General Title V Requirements

#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].

#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.

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#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.

(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

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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.

(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.

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(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 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

SECTION B. General Title V Requirements

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 § 127.513]

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.

#025 [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.

(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.

SECTION B. General Title V Requirements

#026 [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.

#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:

SECTION B. General Title V Requirements

(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.

(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.

SECTION B. General Title V Requirements

(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

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Sources and classes of sources other than those identified in paragraphs (1) - (5), for which the operator has obtained a determination from the Department in accordance with 25 Pa. Code Section 123.1(b) that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in the preceding permit Condition #001, Section C, if such emissions are visible at the point the emissions pass outside the person's property.

 # 003 [25 Pa. Code §123.31]

Limitations

No person shall emit any malodorous air contaminants into the outdoor atmosphere from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

 # 004 [25 Pa. Code §123.41]

Limitations

No person shall emit visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following unless specifically stated otherwise in this permit:

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

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

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the Sulfur Dioxide (SOx) as SO2 emissions from the smelter sources within this permit to less than 100 tons during any consecutive 12-month period.

 # 006 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall limit the emissions from the smelter sources under this permit to the following during any consecutive 12-month period:

(a) Nitrogen Oxides (NOX) as NO2 - 99.9 tons

(b) Volatile Organic Compounds (VOC) - 37.7 tons

SECTION C. Site Level Requirements

II. TESTING REQUIREMENTS.

 # 007 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured by using either of the following:

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

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

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of any source as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For any testing the permittee shall do the following:

(a) Pursuant to 25 Pa. Code § 139.3 at least 90 calendar days prior to commencing an emissions testing program, unless otherwise approved in writing by DEP, a test protocol shall be submitted to the Department for review and approval. Unless otherwise approved in writing by DEP, the permittee shall not conduct the test that is the subject of the protocol, until the protocol has been approved by DEP.

(b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the 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 Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) 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 emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission 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 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) Permit number(s) and condition(s) which are the basis for the evaluation.
(3) Summary of results with respect to each applicable permit condition.
(4) Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 to 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 of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be

SECTION C. Site Level Requirements

accomplished through PSIMS*Online available through https://www.depgreenport.state.pa.us/ecomm/Login.jsp when it becomes available. If internet submittal cannot be accomplished, submittal shall be made as follows:

Regional Office:
Digital copy (only): RA-epscstacktesting@pa.gov

Bureau of Air Quality:
Digital copy (only): RA-epstacktesting@pa.gov

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use the following test methods to determine compliance with the various emission limits unless another test method is approved in writing by the Department:

(a) Particulate - US EPA Method 5 as found in 40 CFR Part 60
(b) Lead - US EPA Method 12 as found in 40 CFR Part 60
(c) Visible Emissions - US EPA Method 9 as found in 40 CFR Part 60 or US EPA Method 22 as found in 40 CFR Part 60
(d) Sulfur Oxides (SOx) - US EPA Method 6C as found in 40 CFR Part 60
(e) Nitrogen Oxides (NOx) - US EPA Method 7E as found in 40 CFR Part 60

[Additional authority for parts of this condition are derived from 40 CFR Part 60, Subpart L, NSPS and Part 63, Subpart X, MACT]

 # 011 [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. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct a daily inspection around the facility periphery during the daylight hours when the facility is in production to detect visible emissions, fugitive emissions and malodors as follows:

(a) Visible emissions in excess of the limits stated in Condition #004, Section C or any other limits specifically stated in this permit. Visible emissions may be measured according to the methods specified in Condition #007, Section C. As an alternative, facility personnel who observe such visible emissions shall report each incident to the Department within two hours of each occurrence and make arrangements for a certified observer to read the visible emissions.

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

(c) Presence of odors beyond the facility property boundaries that have the potential to be malodorous as stated in Condition #003, Section C.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the results of the daily inspections around the facility on the approved check sheets. The check sheets shall be made available to the Department upon request. The sheets shall be maintained in an acceptable

SECTION C. Site Level Requirements

manner.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the purposes of Prevention of Significant Deterioration (PSD), New Source Review (NSR), Reasonably Available Control Technology (RACT) and any other federal program, the permittee shall maintain a 12-month rolling total of the following emissions from the smelter sources and a combined total of the smelter and the adjacent battery assembly facility:

(a) PM-10 (minus sulfuric acid mist)
(b) Nitrogen Oxides (NOx)
(c) Sulfur Oxides (SOx)
(d) Carbon Monoxide (CO)
(e) Volatile Organic Compounds (VOC)
(f) Lead
(g) Sulfuric Acid Mist (H2SO4)

Note: These emissions shall be calculated using methods and/or emission factors approved by the Department or certified continuous emission monitors. Sulfuric Acid Mist (H2SO4) shall reported as particulate from all sources at the smelter, while all assembly sources will report acid mist as mist and not particulate.

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

When actions taken by the permittee during a start-up, shutdown or malfunction (including actions taken to correct a malfunction) are consistent with the procedures specified in the facility's start-up, shutdown and malfunction plan, the permittee shall keep records for that event that demonstrate that the procedures specified in the plan were followed. These records may take the form of a "checklist," or other effective form of record keeping, that confirms conformance with the start-up, shutdown and malfunction plan for the event. The permittee shall keep records of these events including records of the occurrence and duration of the start-up, shutdown or malfunction of operation and each malfunction of an air pollution control device. The permittee shall confirm that actions taken during the relevant reporting period during periods of start-up, shutdown and malfunction were consistent with the affected source's plan in the semiannual SSM report.

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

When actions taken by the permittee during a start-up, shutdown or malfunction (including actions taken to correct a malfunction) are not consistent with the procedures specified in the facility's start-up, shutdown and malfunction plan, the permittee shall keep records of the actions taken for that event and shall report such actions within 2 working days after commencing actions inconsistent with the plan, followed by a letter within 7 working days after the end of the event, in accordance with Part 63 (unless the permittee makes alternative reporting arrangements, in advance).

V. REPORTING REQUIREMENTS.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee's annual Compliance Certification as required by Condition #024, Section B, should be postmarked or hand-delivered by January 31st of each year to the Department and EPA in accordance with the submission requirements specified in Condition #022, Section B.

 # 018 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall report malfunctions 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 affects the facility's ability to comply with a permit term. 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 Reading District Office at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline 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. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) 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

VI. WORK PRACTICE REQUIREMENTS.

 # 019 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Condition #001, Section C from becoming airborne. 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.

(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.

VII. ADDITIONAL REQUIREMENTS.

 # 020 [25 Pa. Code §123.42]

Exceptions

The limitations of 25 Pa. Code Section 123.41 (relating to limitations) do not apply to a visible emission in any of the following instances:

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

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

(c) When the emission results from sources specified in Condition #001, Section C (relating to prohibition of certain fugitive emissions).

 # 021 [25 Pa. Code §129.14]

Open burning operations

(a) No person shall conduct open burning of materials in such a manner that:

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

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

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

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

SECTION C. Site Level Requirements

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

(b) These limits do not apply where the open burning operations result from the following:

(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) Any 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 in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

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

(6) A fire set solely for cooking food.

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

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

The permittee shall have developed and implemented a written start-up, shutdown and malfunction plan (SSM plan), that describes in detail, the procedures for operation and maintaining the sources during start-up, shutdown and malfunctions and a program of corrective action for malfunctioning sources and control devices. The SSM plan is incorporated into this Title V permit. The current SSM plan and any previous plans (less than 5 years) shall be maintained at the facility.

If the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the plan at the time the permittee developed the plan, the permittee shall revise the plan within 45 days after the event to include detailed procedures for operating and maintaining the source during similar malfunctions of the source or control device.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

At all times, including periods of start-up, shutdown and malfunction, the permittee shall operate and maintain any affected sources and associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by all relevant standards.

The affected sources and associated air pollution control equipment shall be operated in accordance with the SSM plan during periods of start-up, shutdown and malfunctions. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the start-up, shutdown and malfunction plan (SSM plan).

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

On October 16, 2009, the United States Court of Appeals for the District of Columbia Circuit issued a Mandate vacating 40 CFR 63.6(f)(1) and 63.6(h)(1). East Penn shall comply with 40 CFR Part 63 by operating those sources subject to the provisions of 40 CFR Part 63, Subpart X as included in Section E, Source Group Restrictions, SG02 Lead MACT in a manner consistent with the U.S. EPA Office of Civil Enforcement's July 22, 2009 letter addressing the Court's Mandate, until such a time as U.S. EPA promulgates revisions to 40 CFR Part 63, Subpart X that address the issue of "Affirmative Defense."

VIII. COMPLIANCE CERTIFICATION.

SECTION C. Site Level Requirements

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

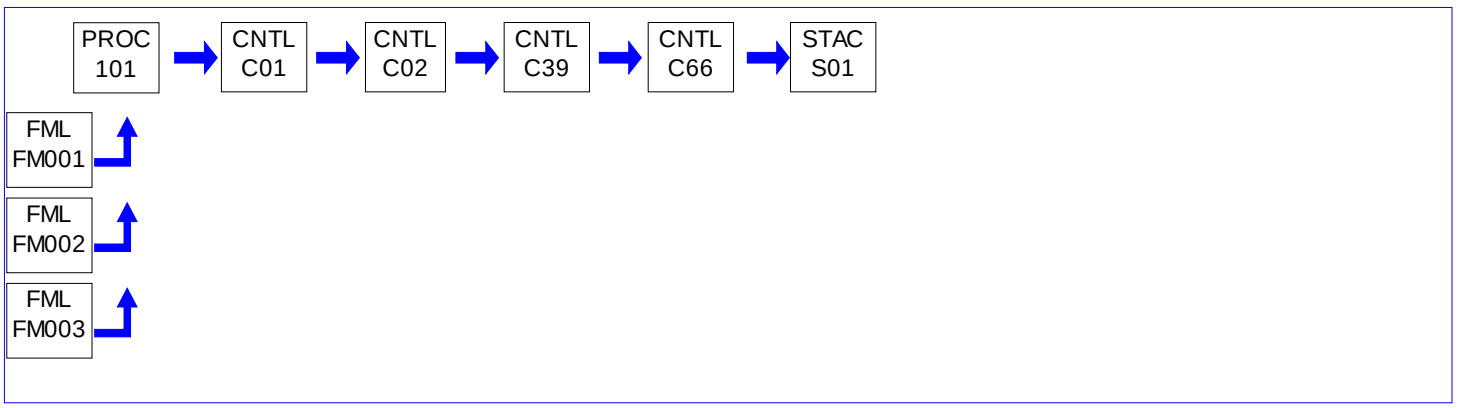
***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 101 Source Name: BLAST FURNACE - BH #5

Source Capacity/Throughput: 6.250 Tons/HR LEAD
3,000.000 Lbs/HR COKE

Conditions for this source occur in the following groups: SG01 FURNACES
SG02 LEAD MACT
SG03 CEMS
SG04 CAM
SG08 RACT 2
SG10



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).

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).

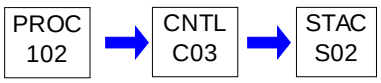
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 102 Source Name: BLAST FURNACE VENTILATION SYSTEM-BH #3

Source Capacity/Throughput: 6.250 Tons/HR LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM
SG06 RACT 2 PRESUMPTIVE
SG09



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from the blast furnace ventilation system to the following:

(a) Lead - 0.00043 grains per dry standard cubic foot

(b) Lead - 1.48 tons during any consecutive 12-month period

(c) Total Hydrocarbons - 20 ppmv as propane at 4% carbon dioxide

[Additional authority for this permit condition is derived from 25 PA Code Section 129.91 and 40 CFR Part 63, Section 63.543]

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

(a) Hours of blast furnace operation
(b) VOC and lead emissions

Note: The VOC and lead emissions shall be calculated using emission factors approved by the Department.

SECTION D. Source Level Requirements

[Additional authority for this permit condition is derived from 25 Pa Code Section 129.91]

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.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

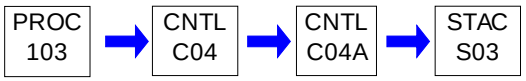
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 103 Source Name: MATERIAL STORAGE ROOM VENTILATION-BH#1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.001 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from the material storage ventilation:

(a) Lead - 0.000087 grain per dry standard cubic foot

(b) Lead - 0.20 ton during any consecutive 12-month period

[Additional authority for this permit condition is derived from Plan Approval 06-05040C]

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

(a) Hours of operation
(b) Lead emissions

Note: The lead emissions shall be calculated using emission factors approved by the Department.

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).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a total enclosure of the source, and exhaust the source to a control device.

[Additional authority for this condition is derived from 40 CFR Sections 52.2020(c)(62) and 63.545(b)(5)]

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector can be measured.

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

SECTION D. Source Level Requirements

Source ID: 104 Source Name: PLANT ROADWAYS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 LEAD MACT

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).

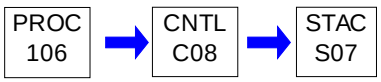
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 106 Source Name: BATTERY BREAKER & SEPARATION OPERATION

Source Capacity/Throughput: 25.000 Tons/HR SCRAP LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from the Battery Breaker & Separation Operation to the following:

(a) Automotive Batteries:

(1) Particulate - 3.7 pounds per hour

(2) Particulate - 16.0 tons during any consecutive 12-month period

(3) Lead - 0.00043 grains per dry standard cubic foot

(4) Lead - 1.3 tons during any consecutive 12-month period

(b) Industrial Batteries:

(1) Lead - 0.00043 grains per dry standard cubic foot

[Additional authority for this permit condition is derived from 40 CFR Part 63, Section 63.543]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate the automotive battery breaking & separation operation in a manner resulting in visible emissions.

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

SECTION D. Source Level Requirements

(a) Hours of operation
(b) Particulate and lead emissions

Note: The particulate and lead emissions shall be calculated using emission factors approved by the Department.

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.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall annually inspect the scrubber for the following and report the findings on the approved check lists:

(a) General operating status of the scrubber,

(b) Inspection of the monitoring equipment,

(c) Inspection of the physical integrity of the scrubber,

(d) Inspection of the fan and duct work to the scrubber and

(e) Inspection of the collection material removal system.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall maintain the source within the battery breaking building.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall transfer all lead scrap from the breaking operation to the scrap material storage room (103) by conveyors or chutes.

[Additional authority for this condition is derived from 40 CFR Section 52.2020 (c)(62)]

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: 107 Source Name: SIX REFINING KETTLES - BH#4

Source Capacity/Throughput: 19.200 Tons/HR LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM
SG06 RACT 2 PRESUMPTIVE
SG09

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from the refining kettles to:

(a) Lead - 0.00043 grains per dry standard cubic foot

(b) Lead - 1.33 tons during any consecutive 12-month period

[Additional authority for this permit condition is derived from 40 CFR Part 63, Section 63. 543]

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).

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

(a) Hours of operation
(b) Lead emissions

Note: The lead emissions shall be calculated using emission factors approved by the Department. The permittee shall include the fuel consumption and emissions of combustion with the source 112 (Miscellaneous combustion emissions).

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.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

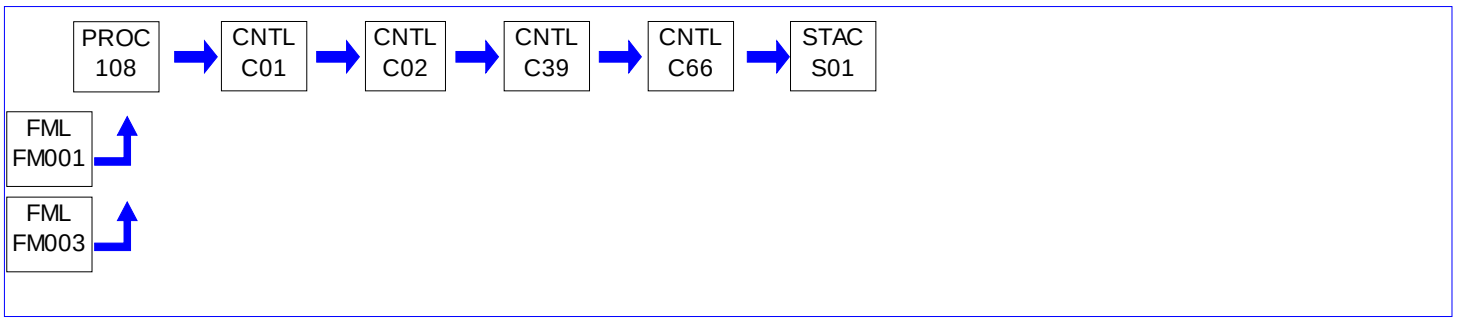
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 108 Source Name: REVERBERATORY FURNACE & TAPPING - BH #5

Source Capacity/Throughput:		
12.900	Tons/HR	LEAD
31.000	MCF/HR	NATURAL GAS
350.000	Gal/HR	PROPANE

Conditions for this source occur in the following groups: SG01 FURNACES
SG02 LEAD MACT
SG03 CEMS
SG04 CAM
SG08 RACT 2
SG10



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).

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: 109 Source Name: REVERBERATORY FURN VENTILATION GP#2- BH#5A

Source Capacity/Throughput: 12.900 Tons/HR LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM
SG06 RACT 2 PRESUMPTIVE
SG09

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from the Reverberatory Furnace Ventilation System:

(a) Lead - 0.01 pounds per hour or 0.0001 grains per dry standard cubic foot (whichever is less)

(b) Lead - 0.49 tons 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) 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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

(a) Hours of operation
(b) VOC & lead emissions

Note: The lead emissions shall be calculated using emission factors used in the permittee's Title V application, or others approved by the Department.

SECTION D. Source Level 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) 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.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

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

SECTION D. Source Level Requirements

Source ID: 110 Source Name: SCRAP DRYER - BH #6

Source Capacity/Throughput:			
	13.500	MCF/HR	NATURAL GAS
	150.000	Gal/HR	PROPANE
	45,000.000	Lbs/HR	LEAD SCRAP

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM
SG06 RACT 2 PRESUMPTIVE
SG09

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate the scrap dryer in a manner resulting in visible emissions.

[Additional authority for this condition is provided by Plan Approval No. 06-05040A]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions to the following :

(a) Particulate - 0.01 grains per dry standard cubic foot

(b) Particulate - 9.87 tons during any consecutive 12-month period

(c) Lead - 0.00043 grains per dry standard cubic foot

(d) Lead - 0.86 tons during any consecutive 12-month period

(e) Nitrogen Oxides (NOx) - 0.11 pounds per million BTU of heat input (as NO2)

(f) Nitrogen Oxides (NOx) - 5.66 tons during any consecutive 12-month period (as NO2)

(g) Sulfur Oxides (SOx) - 0.01 pounds per million BTU of heat input (as SO2)

[Additional authority for this condition is derived from 40 CFR Part 63, Section 63.543 and Plan Approval No. 06-05040A]

Control Device Efficiency Restriction(s).

 # 003 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall use a Low- NOx burner or equivalent as approved by the Department to supply the heat to the dryer.

[Additional authority for this condition is provided by Plan Approval No. 06-05040A]

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.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

(a) Hours of operation
(b) Fuel consumed
(c) Particulate, NOx and lead emissions

Note: The particulate, NOx and lead emissions shall be calculated using emission factors approved by the Department.

[Additional authority for this condition is derived from Plan Approval No. 06-05040A]

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.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

[Additional authority for this condition is provided by Plan Approval No. 06-05040A]

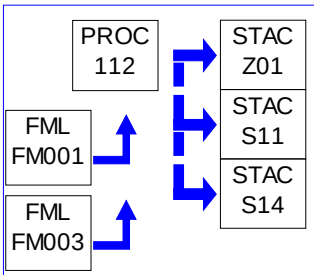
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 112 Source Name: MISCELLANEOUS COMBUSTION SOURCES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG06 RACT 2 PRESUMPTIVE
SG09



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

The permittee shall limit the emissions of particulate matter to 0.4 pounds per million BTU of heat input or less for those units within this source, that are defined as combustion units in Chapter 123 and have a heat input of greater than 2.5 million BTUs.

 # 002 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from any unit within this source, that is defined as a process in Chapter 123, in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grains per dry standard cubic foot.

 # 003 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a unit within this source, that is defined as a process in Chapter 123, in a manner that the concentration of sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

 # 004 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit as defined by Chapter 123, at any time, in excess of the rate of 4 pounds per million BTU of heat input over any 1-hour period from any units within this source, that are defined as combustion units.

 # 005 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall limit the emissions from this source to 4.49 tons of nitrogen oxides (as NO2) during any consecutive 12-month period.

Throughput Restriction(s).

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the consumption of natural gas and/or propane from all of the sources covered by this permit, with the exception of those listed in Section D, Source 112, Condition #010, to a total of 91.5 billion BTUs during any consecutive 12-month period.

[Additional authority for this permit condition is derived from 25 Pa Code, Section 129.91]

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.

 # 007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning this source each month and maintain a 12-month rolling total:

(a) Amount of fuel consumed
(b) NOx emissions

Note: The NOx emissions shall be calculated using emission factors approved by the Department.

 # 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain an inventory of the various sources covered by this source. This inventory shall be updated annually.

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.

 # 009 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall operate the sources as per manufacturer specifications and/or good combustion methods.

[Additional authority for this condition is derived from 25 Pa Code Section 129.93(c)]

VII. ADDITIONAL REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of the sources of combustion identified on the permittee's inventory and excludes the following smelter sources:

(a) Blast Furnace
(b) Reverberatory Furnace
(c) Afterburner
(d) Scrap Dryer

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

SECTION D. Source Level Requirements

Source ID: 113A Source Name: EMERGENCY ENGINES PRE-2006

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG05 SUBPART ZZZZ
SG06 RACT 2 PRESUMPTIVE
SG09

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from the source in a manner that the concentration of sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the operation of the emergency generators to 500 hours (each) in any consecutive 12-month period.

[Additional authority for this condition is derived from 25 Pa Code, Section 129.93]

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.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the hours of operation of each unit in this source each month and maintain a 12-month rolling total.

SECTION D. Source Level Requirements

[Additional authority for this condition is derived from 25 PA Code Section 129.91]

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain an inventory of the emergency generators, that are part of the smelter facility. The inventory shall include the date of installation, manufacturer, model, type, rating and fuel types.

[Additional authority for this condition is derived from 25 PA Code Section 129.91]

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: 113B Source Name: EMERGENCY SI ENGINES POST-2006

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG06 RACT 2 PRESUMPTIVE
SG07 SUBPART JJJJ
SG09

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from the source in a manner that the concentration of sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the operation of the emergency generators to 500 hours (each) in any consecutive 12-month period.

[Additional authority for this condition is derived from 25 Pa Code, Section 129.93]

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.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain an inventory of the emergency generators, that are part of the smelter facility. The inventory shall include the date of installation, manufacturer, model, type, rating and fuel types.

SECTION D. Source Level Requirements

[Additional authority for this condition is derived from 25 PA Code Section 129.91]

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the hours of operation of each unit in this source each month and maintain a 12-month rolling total.

[Additional authority for this condition is derived from 25 PA Code Section 129.91]

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).

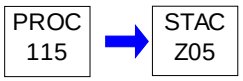
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 115 Source Name: MISCELLANEOUS CHEMICAL USE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG08 RACT 2
SG10



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall limit the emissions of VOC from Source 115 to 5 tons 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) 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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a rolling 12-month total:

VOC emissions

Note: The VOC emissions shall be calculated using emission factors approved by the Department.

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 §129.63]

Degreasing operations

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

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

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

SECTION D. Source Level Requirements

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

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

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

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

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

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

(1) 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.

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

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

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

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

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

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

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

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

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

(f) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (e). 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.

(g) Paragraph (d) does not apply:

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

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

SECTION D. Source Level Requirements

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

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: 118 Source Name: FOUR REFINING KETTLES – BH#4

Source Capacity/Throughput: 19.200 Tons/HR LEAD

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.005 grain per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 06-05040E]

 # 002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the lead emissions from the refining kettles to 0.00043 grains per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 06-05040E & 40 CFR Part 63, Section 63. 543]

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.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

(a) Hours of operation

SECTION D. Source Level Requirements

(b) Lead emissions

Note: The lead emissions shall be calculated using emission factors approved by the Department.

[Additional authority for this permit condition is derived from PA 06-05040E]

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.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector and HEPA filter can be measured.

[Additional authority for this permit condition is derived from PA 06-05040E]

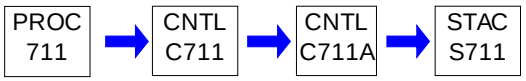
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 711 Source Name: SMELTER ANNEX: SLAG STORAGE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 LEAD MACT
SG04 CAM



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate the Smelter Annex Slag Storage in a manner resulting in visible emissions.

[Additional authority for this permit condition is derived from Operating Permit 06-05040.]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions to the atmosphere from S711 shall not exceed the following limits:

(a) Lead - 0.0001 grains per dry standard cubic foot
(b) Particulate - 0.001 grains per dry standard cubic foot

Note: Both total particulate and PM-10 shall meet the particulate limit.

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.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Equipment (differential manometers or equivalent, as approved by the Department), shall be provided and maintained so that at any time pressure drops across the fabric collector and HEPA filter can be measured.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the following information concerning this source each month and maintain a 12-month rolling total:

(a) Hours of operation
(b) Particulate and lead emissions

Note: The particulate and lead emissions shall be calculated using emission factors acceptable to the Department.

[Additional authority for this permit condition is derived from Operating Permit 06-05040.]

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor and record the pressure differential across the fabric collector and across the HEPA filter. The

SECTION D. Source Level Requirements

pressure differentials shall be recorded a minimum of once per week. 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.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the Smelter Annex Slag Storage under negative pressure venting to a fabric collector.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall inspect the fabric collector, HEPA filter and associated equipment annually. The inspection shall include the following and results of the inspection shall be recorded:

(a) Leaks in the collector shell,
(b) Leaks in the collector bags,
(c) Leaks in the ductwork and
(d) Fans and housings.

The records shall be made available to the Department upon request.

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall read and record the visible emissions from each control device equipped with a HEPA filter weekly while the sources are in operation.

(b) The permittee shall weekly conduct inspections of each control device and associated equipment, as appropriate, for:

(1) Visually inspect the control device and associated equipment for damage and deterioration
(2) Check for the proper removal of collected materials
(3) Check for fugitive emissions from the control device

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

SECTION D. Source Level Requirements

Source ID: C01 Source Name: THERMAL AFTERBURNER: FURNACE SYSTEM

Source Capacity/Throughput:	7,000.000	CF/HR	NATURAL GAS
	77.350	Gal/HR	PROPANE

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 E. Source Group Restrictions.

Group Name: SG01 FURNACES

Group Description: Furnaces

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
108	REVERBERATORY FURNACE & TAPPING - BH #5

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.21]

General

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

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions from the furnaces to the following:

(a) Nitrogen Oxides (as NO2) - 0.70 pounds per million BTU of heat input to the reverberatory furnace (30-day average),

(b) Sulfur Dioxide - 500 ppmv (dry) (one hour block average),

(c) Sulfur Dioxide - 267 ppmv (dry) (three hour block average),

(d) Sulfur Dioxide - 138 ppmv (dry) (24 hour block average),

(e) Sulfur Dioxide - 90 ppmv (dry)(12-month rolling average),

(f) Lead - 0.10 pounds per hour or 0.0004 grains per dry standard cubic foot (whichever is less) and

(g) Lead - 1.39 tons during any consecutive 12-month period.

[Additional authority for this permit is derived from 25 Pa Code Section 129.91]

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the consumption of natural gas and/or propane in the reverberatory furnace to 238.1 billion BTUs during any consecutive 12-month period.

[Additional authority for this condition is derived from 25 Pa Code Section 129.91]

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hydrocarbon emissions from the furnaces to the following:

(a) Total Hydrocarbons - 20 ppmv as propane at 4% carbon dioxide (both furnaces)

(b) Total Hydrocarbons - 360 ppmv as propane at 4% carbon dioxide (blast furnace only)

(c) Total Hydrocarbons - 20 ppmv as propane at 4 % carbon dioxide (reverberatory furnace only) (This standard is for RACT purposes only.)

These total hydrocarbon limits act as surrogate limits for VOCs for the purpose of RACT.

[Additional authority for this permit condition is derived from 40 CFR Section 63.543 and 25 Pa Code Section 129.91]

SECTION E. Source Group Restrictions.

 # 005 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall limit the emissions from the furnaces to the following during any consecutive 12-month period:

(a) Nitrogen Oxides (as NO2) - 83.4 tons
(b) Volatile Organic Compounds (VOC) - 28.61 tons

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.122]

Subpart L - Standards of Performance for Secondary Lead Smelters
Standard for particulate matter.

The permittee shall not cause the discharge to the atmosphere from the reverberatory furnace or the reverberatory and blast furnaces of any gases which:

(a) Contain particulate matter in excess of 0.022 grains per dry standard cubic foot

(b) Exhibit 20 percent opacity or greater

Control Device Efficiency Restriction(s).

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the sulfur dioxide (SO2) control system for the sources such that the removal efficiency is maintained at an hourly average of 92%.

 # 008 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The reverberatory furnace shall be heated only by Low NOx burners with air-oxy-fuel firing method or equivalent as approved by the Department.

 # 009 [25 Pa. Code §129.91]

Control of major sources of NOx and VOCs

The permittee shall pass the exhaust of both furnaces through the afterburner.

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.

 # 010 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a daily basis, monitor and record the pH and water flow rate to the scrubber and the pressure drop across each of the demister cells.

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the following information concerning these sources each month and maintain a 12-month rolling total:

(a) Hours of operation of each furnace

(b) Emissions of the following:

(1) Sulfur Dioxide
(2) Nitrogen Oxides (as NO2)

SECTION E. Source Group Restrictions.

(3) VOC
(4) Lead

Note: The emissions shall be calculated using emission factors approved by the Department or continuous emission monitors.

[Additional authority for this condition is derived from 25 Pa Code Section 129.91]

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.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain and operate the following sensing and recording devices on the furnace controls:

(a) Sulfur Dioxide Scrubbers

(1) Scrubber water flow rate to each section (rotameter or equivalent).
(2) pH meter on the scrubber water to each section.

(b) Demisters

(1) Pressure drop across each vessel.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the furnaces within the current buildings as of the date of the issuance of this permit. The furnaces shall be operated with the existing approved exhaust systems. All exhaust shall be directed to the approved control devices.

[Additional authority for this permit condition is derived from 40 CFR Sections 52.2020 (c)(62) and 63.543.]

 # 014 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall annually inspect the scrubber for the following and record the results on the approved check sheets:

(a) General operating status of the scrubber,

(b) Inspection of the monitoring equipment,

(c) Inspection of the physical integrity of the scrubber,

(d) Inspection of the fan and duct work to the scrubber and

(e) Inspection of the collected material removal system.

VII. ADDITIONAL REQUIREMENTS.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide and maintain equipment (a differential manometer or equivalent, as approved by the Department) so that the pressure drop across each cell of the fabric collector can be measured.

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION E. Source Group Restrictions.

The reverberatory furnace is subject to Subpart L of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, application, submittals and other communications required by 40 CFR Part 60 to both EPA and the Department.

The U.S. EPA copies shall be forwarded to:

Associate Director
United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 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

 # 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.11]

Subpart A - General Provisions

Compliance with standards and maintenance requirements.

The opacity standard set forth above shall apply at all times except during startup, shutdown, malfunction and as otherwise provided in 40 CFR Part 60.

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

SECTION E. Source Group Restrictions.

Group Name: SG02 LEAD MACT

Group Description: Lead MACT

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
102	BLAST FURNACE VENTILATION SYSTEM-BH #3
103	MATERIAL STORAGE ROOM VENTILATION-BH#1
104	PLANT ROADWAYS
106	BATTERY BREAKER & SEPARATION OPERATION
107	SIX REFINING KETTLES - BH#4
108	REVERBERATORY FURNACE & TAPPING - BH #5
109	REVERBERATORY FURN VENTILATION GP#2- BH#5A
110	SCRAP DRYER - BH #6
118	FOUR REFINING KETTLES – BH#4
711	SMELTER ANNEX: SLAG STORAGE

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.

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.547]

Subpart X - National Emission Standards From Secondary Lead Smelting

Test methods.

(a) You must use the test methods from appendix A of part 60 as listed in paragraphs (a)(1) through (5) of this section to determine compliance with the emissions standards for lead compounds specified in 40 CFR 63.543(a) and (b).

(a)(1) EPA Method 1 at 40 CFR part 60, appendix A-1 to select the sampling port location and the number of traverse points.

(a)(2) EPA Method 2 at 40 CFR part 60, appendix A-1 or EPA Method 5D at 40 CFR part 60, appendix A-3, section 8.3 for positive pressure fabric filters, to measure volumetric flow rate.

(a)(3) EPA Method 3, 3A, or 3B at 40 CFR part 60, appendix A-2 to determine the dry molecular weight of the stack gas.

(a)(4) EPA Method 4 at 40 CFR part 60, appendix A-3 to determine moisture content of the stack gas.

(a)(5) EPA Method 12 or Method 29 at 40 CFR part 60, appendix A-8 to determine compliance with the lead compound emissions standards. The minimum sample volume must be 2.0 dry standard cubic meters (70 dry standard cubic feet) for each run. You must perform three test runs and you must determine compliance using the average of the three runs.

(b) You must use the following test methods in appendix A of part 60 listed in paragraphs (b)(1) through (4) of this section, as specified, to determine compliance with the emissions standards for total hydrocarbons specified in 40 CFR 63.543(c) through (f).

(b)(1) EPA Method 1 at 40 CFR part 60, appendix A-1 to select the sampling port location and number of traverse points.

(b)(2) The Single Point Integrated Sampling and Analytical Procedure of Method 3B to measure the carbon dioxide content of the stack gases when using either EPA Method 3A or 3B at 40 CFR part 60, appendix A-2.

(b)(3) EPA Method 4 at 40 CFR part 60, appendix A-3 to measure moisture content of the stack gases.

(b)(4) EPA Method 25A at 40 CFR part 60, appendix A-7 to measure total hydrocarbons emissions. The minimum sampling time must be 1 hour for each run. You must perform a minimum of three test runs. You must calculate a 1-hour average total hydrocarbons concentration for each run and use the average of the three 1-hour averages to determine compliance.

SECTION E. Source Group Restrictions.

(c) You must correct the measured total hydrocarbons concentrations to 4 percent carbon dioxide as specified in paragraphs (c)(1) through (3) of this section.

(c)(1) If the measured percent carbon dioxide is greater than 0.4 percent in each compliance test, you must determine the correction factor using Equation 2 of this section.

Where:
F = Correction factor (no units).
CO2 = Percent carbon dioxide measured using EPA Method 3A or 3B at 40 CFR part 60, appendix A-2, where the measured carbon dioxide is greater than 0.4 percent.

(c)(2) If the measured percent carbon dioxide is equal to or less than 0.4 percent, you must use a correction factor (F) of 10.

(c)(3) You must determine the corrected total hydrocarbons concentration by multiplying the measured total hydrocarbons concentration by the correction factor (F) determined for each compliance test.

(d) You must use the following test methods in appendix A of part 60 listed in paragraphs (d)(1) through (5) of this section, as specified, to determine compliance with the emissions standards for dioxins and furans specified in 40 CFR 63.543(c).

(d)(1) EPA Method 1 at 40 CFR part 60, appendix A-1 to select the sampling port location and the number of traverse points.

(d)(2) EPA Method 2 at 40 CFR part 60, appendix A-1 or EPA Method 5D at 40 CFR part 60, appendix A-3, section 8.3 for positive pressure fabric filters to measure volumetric flow rate.

(d)(3) EPA Method 3A or 3B at 40 CFR part 60, appendix A-2 to determine the oxygen and carbon dioxide concentrations of the stack gas.

(d)(4) EPA Method 4 at 40 CFR part 60, appendix A-3 to determine moisture content of the stack gas.

(d)(5) EPA Method 23 at 40 CFR part 60, appendix A-7 to determine the dioxins and furans concentration.

(e) You must determine the dioxins and furans toxic equivalency by following the procedures in paragraphs (e)(1) through (3) of this section.

(e)(1) Measure the concentration of each dioxins and furans congener shown in Table 3 of this subpart using EPA Method 23 at 40 CFR part 60, appendix A-7. You must correct the concentration of dioxins and furans in terms of toxic equivalency to 7 percent O2 using Equation 3 of this section.

Where:
Cadj = Dioxins and furans concentration adjusted to 7 percent oxygen.
Cmeas = Dioxins and furans concentration measured in nanograms per dry standard cubic meter.
(20.9-7) = 20.9 percent oxygen—7 percent oxygen (defined oxygen correction basis).
20.9 = Oxygen concentration in air, percent.
%O2 = Oxygen concentration measured on a dry basis, percent.

(e)(2) For each dioxins and furans congener measured as specified in paragraph (e)(1) of this section, multiply the congener concentration by its corresponding toxic equivalency factor specified in Table 3 to this subpart.

(e)(3) Sum the values calculated as specified in paragraph (e)(2) of this section to obtain the total concentration of dioxins and furans emitted in terms of toxic equivalency.

III. MONITORING REQUIREMENTS.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.548]

Subpart X - National Emission Standards From Secondary Lead Smelting

Monitoring requirements.

(a) You must prepare and at all times operate according to a standard operating procedures manual that describes in detail procedures for inspection, maintenance, and bag leak detection and corrective action plans for all baghouses (fabric filters

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or cartridge filters) that are used to control process vents, process fugitive, or fugitive dust emissions from any source subject to the lead emissions standards in 40 CFR 63.543, 63.544, and 63.545, including those used to control emissions from building ventilation.

(b) You must submit the standard operating procedures manual for baghouses required by paragraph (a) of this section to the Administrator or delegated authority for review and approval.

(c) The procedures that you specify in the standard operating procedures manual for inspections and routine maintenance must, at a minimum, include the requirements of paragraphs (c)(1) through (9) of this section.

(c)(1) Daily monitoring of pressure drop across each baghouse cell.

(c)(2) Weekly confirmation that dust is being removed from hoppers through visual inspection, or equivalent means of ensuring the proper functioning of removal mechanisms.

(c)(3) Daily check of compressed air supply for pulse-jet baghouses.

(c)(4) An appropriate methodology for monitoring cleaning cycles to ensure proper operation.

(c)(5) Monthly check of bag cleaning mechanisms for proper functioning through visual inspection or equivalent means.

(c)(6) Monthly check of bag tension on reverse air and shaker-type baghouses. Such checks are not required for shaker-type baghouses using self-tensioning (spring loaded) devices.

(c)(7) Quarterly confirmation of the physical integrity of the baghouse through visual inspection of the baghouse interior for air leaks.

(c)(8) Quarterly inspection of fans for wear, material buildup, and corrosion through visual inspection, vibration detectors, or equivalent means.

(c)(9) Except as provided in paragraphs (g) and (h) of this section, continuous operation of a bag leak detection system, unless a system meeting the requirements of paragraph (m) of this section for a continuous emissions monitoring system is installed for monitoring the concentration of lead.

(d) The procedures you specify in the standard operating procedures manual for baghouse maintenance must include, at a minimum, a preventative maintenance schedule that is consistent with the baghouse manufacturer's instructions for routine and long-term maintenance.

(e) The bag leak detection system required by paragraph (c)(9) of this section, must meet the specification and requirements of paragraphs (e)(1) through (8) of this section.

(e)(1) The bag leak detection system must be certified by the manufacturer to be capable of detecting particulate matter emissions at concentrations of 1.0 milligram per actual cubic meter (0.00044 grains per actual cubic foot) or less.

(e)(2) The bag leak detection system sensor must provide output of relative particulate matter loadings.

(e)(3) The bag leak detection system must be equipped with an alarm system that will alarm when an increase in relative particulate loadings is detected over a preset level.

(e)(4) You must install and operate the bag leak detection system in a manner consistent with the guidance provided in “Office of Air quality Planning and Standards (OAQPS) Fabric Filter Bag Leak Detection Guidance” EPA-454/R-98-015, September 1997 (incorporated by reference, see 40 CFR 63.14) and the manufacturer's written specifications and recommendations for installation, operation, and adjustment of the system.

(e)(5) The initial adjustment of the system must, at a 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 and the alarm delay time.

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(e)(6) Following initial adjustment, you must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in the approved standard operating procedures manual required under paragraph (a) of this section. You cannot increase the sensitivity by more than 100 percent or decrease the sensitivity by more than 50 percent over a 365 day period unless such adjustment follows a complete baghouse inspection that demonstrates that the baghouse is in good operating condition.

(e)(7) For negative pressure, induced air baghouses, and positive pressure baghouses that are discharged to the atmosphere through a stack, you must install the bag leak detector downstream of the baghouse and upstream of any wet acid gas scrubber.

(e)(8) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(f) You must include in the standard operating procedures manual required by paragraph (a) of this section a corrective action plan that specifies the procedures to be followed in the case of a bag leak detection system alarm. The corrective action plan must include, at a minimum, the procedures that you will use to determine and record the time and cause of the alarm as well as the corrective actions taken to minimize emissions as specified in paragraphs (f)(1) and (f)(2) of this section.

(f)(1) The procedures used to determine the cause of the alarm must be initiated within 30 minutes of the alarm.

(f)(2) The cause of the alarm must be alleviated by taking the necessary corrective action(s) that may include, but not be limited to, those listed in paragraphs (f)(2)(i) through (vi) of this section.

(f)(2)(i) Inspecting the baghouse for air leaks, torn or broken filter elements, or any other malfunction that may cause an increase in emissions.

(f)(2)(ii) Sealing off defective bags or filter media.

(f)(2)(iii) Replacing defective bags or filter media, or otherwise repairing the control device.

(f)(2)(iv) Sealing off a defective baghouse compartment.

(f)(2)(v) Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.

(f)(2)(vi) Shutting down the process producing the particulate emissions.

(g) Baghouses equipped with high efficiency particulate air (or HEPA) filters as a secondary filter used to control emissions from any source subject to the lead emission standards in 40 CFR 65.543(a) or (b), are exempt from the requirement to be equipped with a bag leak detection system. You must monitor and record the pressure drop across each HEPA filter system daily. If the pressure drop is outside the limit(s) specified by the filter manufacturer, you must take appropriate corrective measures, which may include but not be limited to those given in paragraphs (g)(1) through (4) of this section.

(g)(1) Inspecting the filter and filter housing for air leaks and torn or broken filters.
(g)(2) Replacing defective filter media, or otherwise repairing the control device.
(g)(3) Sealing off a defective control device by routing air to other control devices
(g)(4) Shutting down the process producing the particulate emissions.

(h) NOT APPLICABLE - NO ELECTROSTATIC PRECIPITATOR

(i) Reference Sources 101 and 108:
If you use a wet scrubber to control particulate matter and metal hazardous air pollutant emissions from a process vent to demonstrate continuous compliance with the emissions standards, you must monitor and record the pressure drop and water flow rate of the wet scrubber during the initial performance or compliance test conducted to demonstrate compliance with the lead emissions limit under 40 CFR 63.543(a) or (b). Thereafter, you must monitor and record the pressure drop and water flow rate values at least once every hour and you must maintain the pressure drop and water flow rate at levels no lower than 30 percent below the pressure drop and water flow rate measured during the initial performance or compliance test.

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(j) You must comply with the requirements specified in paragraphs (j)(1) through (4) of this section to demonstrate continuous compliance with the total hydrocarbons and dioxins and furans emissions standards. During periods of startup and shutdown, the requirements of paragraph (j)(4) of this section do not apply. Instead, you must demonstrate compliance with the standard for total hydrocarbon by meeting the requirements of 40 CFR 63.543(l).

(j)(1) Continuous temperature monitoring. You must install, calibrate, maintain, and continuously operate a device to monitor and record the temperature of the afterburner or furnace exhaust streams consistent with the requirements for continuous monitoring systems in 40 CFR 63.8.

(j)(2) Prior to or in conjunction with the initial performance or compliance test to determine compliance with 40 CFR 63.543(c), you must conduct a performance evaluation for the temperature monitoring device according to 40 CFR 63.8(e). The definitions, installation specifications, test procedures, and data reduction procedures for determining calibration drift, relative accuracy, and reporting described in Performance Specification 2, 40 CFR part 60, appendix B, sections 2, 3, 5, 7, 8, 9, and 10 must be used to conduct the evaluation. The temperature monitoring device must meet the following performance and equipment specifications:

(j)(2)(i) The recorder response range must include zero and 1.5 times the average temperature identified in paragraph (j)(3) of this section.

(j)(2)(ii) The monitoring system calibration drift must not exceed 2 percent of 1.5 times the average temperature identified in paragraph (j)(3) of this section.

(j)(2)(iii) The monitoring system relative accuracy must not exceed 20 percent.

(j)(2)(iv) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or an alternate reference, subject to the approval of the Administrator.

(j)(3) You must monitor and record the temperature of the afterburner or the furnace exhaust streams every 15 minutes during the initial performance or compliance test for total hydrocarbons and dioxins and furans and determine an arithmetic average for the recorded temperature measurements.

(j)(4) To demonstrate continuous compliance with the standards for total hydrocarbons and dioxins and furans, you must maintain an afterburner or exhaust temperature such that the average temperature in any 3-hour period does not fall more than 28 °Celsius (50 °Fahrenheit) below the average established in paragraph (j)(3) of this section.

(k) You must install, operate, and maintain a digital differential pressure monitoring system to continuously monitor each total enclosure as described in paragraphs (k)(1) through (5) of this section.
NOTE: PARAGRAPHS (k) AND (k)(1) THROUGH (5) ONLY APPLY TO SOURCE 711. PARAGRAPHS (k) AND (k)(1) THROUGH (5) ARE NOT APPLICABLE TO SOURCES 101, 102, 103, 106, 107, 108, 109, 110, OR 118 AS THESE SOURCES COMPLY WITH THE REQUIREMENTS OF 40 CFR 63.548(k) BY COMPLYING WITH THE PROVISIONS OF AN ALTERNATIVE MONITORING PETITION (AMP) DEVELOPED IN ACCORDANCE WITH 40 CFR 63.8(f) APPROVED BY U.S. EPA ON AUGUST 13, 2014.

(k)(1) You must install and maintain a minimum of one building digital differential pressure monitoring system at each of the following three walls in each total enclosure that has a total ground surface area of 10,000 square feet or more:
NOTE: PARAGRAPHS (k) AND (k)(1) THROUGH (5) ONLY APPLY TO SOURCE 711. PARAGRAPHS (k) AND (k)(1) THROUGH (5) ARE NOT APPLICABLE TO SOURCES 101, 102, 103, 106, 107, 108, 109, 110, OR 118 AS THESE SOURCES COMPLY WITH THE REQUIREMENTS OF 40 CFR 63.548(k) BY COMPLYING WITH THE PROVISIONS OF AN ALTERNATIVE MONITORING PETITION (AMP) DEVELOPED IN ACCORDANCE WITH 40 CFR 63.8(f) APPROVED BY U.S. EPA ON AUGUST 13, 2014.

(k)(1)(i) The leeward wall.

(k)(1)(ii) The windward wall.

(k)(1)(iii) An exterior wall that connects the leeward and windward wall at a location defined by the intersection of a perpendicular line between a point on the connecting wall and a point on its furthest opposite exterior wall, and intersecting

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within plus or minus 10 meters of the midpoint of a straight line between the two other monitors specified. The midpoint monitor must not be located on the same wall as either of the other two monitors. If approved by the permitting authority, this third monitor may be placed in an alternative location on the midpoint wall or an exterior wall that is not the windward wall, leeward wall or midpoint wall.

(k)(2) You must install and maintain a minimum of one building digital differential pressure monitoring system at the leeward wall of each total enclosure that has a total ground surface area of less than 10,000 square feet.
NOTE: PARAGRAPHS (k) AND (k)(1) THROUGH (5) ONLY APPLY TO SOURCE 711. PARAGRAPHS (k) AND (k)(1) THROUGH (5) ARE NOT APPLICABLE TO SOURCES 101, 102, 103, 106, 107, 108, 109, 110, OR 118 AS THESE SOURCES COMPLY WITH THE REQUIREMENTS OF 40 CFR 63.548(k) BY COMPLYING WITH THE PROVISIONS OF AN ALTERNATIVE MONITORING PETITION (AMP) DEVELOPED IN ACCORDANCE WITH 40 CFR 63.8(f) APPROVED BY U.S. EPA ON AUGUST 13, 2014.

(k)(3) The digital differential pressure monitoring systems must be certified by the manufacturer to be capable of measuring and displaying negative pressure containing values in the range of 0.01 to 0.2 millimeters mercury (0.005 to 0.11 inches of water) and capable of recording data in increments of 0.002 millimeters of mercury (0.001 inches of water).
NOTE: PARAGRAPHS (k) AND (k)(1) THROUGH (5) ONLY APPLY TO SOURCE 711. PARAGRAPHS (k) AND (k)(1) THROUGH (5) ARE NOT APPLICABLE TO SOURCES 101, 102, 103, 106, 107, 108, 109, 110, OR 118 AS THESE SOURCES COMPLY WITH THE REQUIREMENTS OF 40 CFR 63.548(k) BY COMPLYING WITH THE PROVISIONS OF AN ALTERNATIVE MONITORING PETITION (AMP) DEVELOPED IN ACCORDANCE WITH 40 CFR 63.8(f) APPROVED BY U.S. EPA ON AUGUST 13, 2014.

(k)(4) You must equip each digital differential pressure monitoring system with a continuous recorder. To demonstrate compliance with the standard for differential pressure, you must maintain the pressure in total enclosures such that the average pressure in any 15-minute period does not fall below the level specified in 40 CFR 63.544(c)(1). The 15-minute averages must include at least one reading per minute.
NOTE: PARAGRAPHS (k) AND (k)(1) THROUGH (5) ONLY APPLY TO SOURCE 711. PARAGRAPHS (k) AND (k)(1) THROUGH (5) ARE NOT APPLICABLE TO SOURCES 101, 102, 103, 106, 107, 108, 109, 110, OR 118 AS THESE SOURCES COMPLY WITH THE REQUIREMENTS OF 40 CFR 63.548(k) BY COMPLYING WITH THE PROVISIONS OF AN ALTERNATIVE MONITORING PETITION (AMP) DEVELOPED IN ACCORDANCE WITH 40 CFR 63.8(f) APPROVED BY U.S. EPA ON AUGUST 13, 2014.

(k)(5) You must calibrate each digital differential pressure monitoring system in accordance with manufacturer's specifications.
NOTE: PARAGRAPHS (k) AND (k)(1) THROUGH (5) ONLY APPLY TO SOURCE 711. PARAGRAPHS (k) AND (k)(1) THROUGH (5) ARE NOT APPLICABLE TO SOURCES 101, 102, 103, 106, 107, 108, 109, 110, OR 118 AS THESE SOURCES COMPLY WITH THE REQUIREMENTS OF 40 CFR 63.548(k) BY COMPLYING WITH THE PROVISIONS OF AN ALTERNATIVE MONITORING PETITION (AMP) DEVELOPED IN ACCORDANCE WITH 40 CFR 63.8(f) APPROVED BY U.S. EPA ON AUGUST 13, 2014.

(l) NOT APPLICABLE - NOT NEW OR RECONSTRUCTED

(m) NOT APPLICABLE - CEMS NOT USED

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.550]

Subpart X - National Emission Standards From Secondary Lead Smelting

Recordkeeping and reporting requirements.

(a) You must comply with all of the recordkeeping and reporting requirements specified in 40 CFR 63.10 that are referenced in Table 1 to this subpart.

(a)(1) Records must be maintained in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). However, electronic recordkeeping and reporting if suitable for the specific case (e.g., by electronic media such as Excel spreadsheet, on CD or hard copy), and when required by this subpart.

(a)(2) Records must be kept on site for at least 2 years after the date of occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

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(b) The standard operating procedures manuals required in 40 CFR 63.545(a) and 63.548(a) must be submitted to the Administrator in electronic format for review and approval of the initial submittal and whenever an update is made to the procedure.

(c) You must maintain for a period of 5 years, records of the information listed in paragraphs (c)(1) through (13) of this section.

(c)(1) Electronic records of the bag leak detection system output.

(c)(2) An identification of the date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the corrective actions taken, and the date and time the cause of the alarm was corrected.

(c)(3) All records of inspections and maintenance activities required under 40 CFR 63.548(c) as part of the practices described in the standard operating procedures manual for baghouses required under 40 CFR 63.548(a).

(c)(4) Electronic records of the pressure drop and water flow rate values for wet scrubbers used to control metal hazardous air pollutant emissions from process fugitive sources as required in 40 CFR 63.548(i).

(c)(5) Electronic records of the output from the continuous temperature monitor required in 40 CFR 63.548(j)(1), and an identification of periods when the 3-hour average temperature fell below the minimum established under 40 CFR 63.548(j)(4), and an explanation of the corrective actions taken.

(c)(6) Electronic records of the continuous pressure monitors for total enclosures required in 40 CFR 63.548(k), and an identification of periods when the pressure was not maintained as required in 40 CFR 63.544(c)(1). Note that paragraph (c)(6) only applies to Source 711. Paragraph (c)(6) is not applicable to Sources 101, 102, 103, 106, 107, 108, 109, 110 or 118 as these sources comply with the requirements of 40 CFR 63.550(c) by complying with the provisions of an alternative monitoring petition (AMP) developed in accordance with 40 CFR 63.8(f) approved by U.S. EPA on August 13, 2014.

(c)(7) Records of any time periods power was lost to the continuous pressure monitors for total enclosures required in 40 CFR 63.548(k) and records of loss of power to the air handling system maintaining negative pressure on total enclosures. Note that paragraph (c)(7) only applies to Source 711. Paragraph (c)(7) is not applicable to Sources 101, 102, 103, 106, 107, 108, 109, 110 or 118 as these sources comply with the requirements of 40 CFR 63.550(c) by complying with the provisions of an alternative monitoring petition (AMP) developed in accordance with 40 CFR 63.8(f) approved by U.S. EPA on August 13, 2014.

(c)(8) Records of the inspections of facility enclosures required in 40 CFR 63.544(d).

(c)(9) Records of all cleaning and inspections required as part of the practices described in the standard operating procedures manual required under 40 CFR 63.545(a) for the control of fugitive dust emissions.

(c)(10) NOT APPLICABLE - NO CEMS

(c)(11) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control equipment and monitoring equipment.

(c)(12) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.543(k), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(c)(13) Records of any periods of startup or shutdown of a furnace and actions taken to minimize emissions during that period in accordance with 40 CFR 63.543(l).

(d) You must comply with all of the reporting requirements specified in 40 CFR 63.10 of the General Provisions that are referenced in Table 1 to this subpart.

(d)(1) You must submit reports no less frequent than specified under 40 CFR 63.10(e)(3) of the General Provisions.

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(d)(2) Once a source reports a violation of the standard or excess emissions, you must follow the reporting format required under 40 CFR 63.10(e)(3) until a request to reduce reporting frequency is approved by the Administrator.

(e) In addition to the information required under the applicable sections of 40 CFR 63.10, you must include in the reports required under paragraph (d) of this section the information specified in paragraphs (e)(1) through (14) of this section.

(e)(1) Records of the concentration of lead in each process vent, and records of the rolling 12-month flow-weighted average concentration of lead compounds in vent gases calculated monthly as required in 40 CFR 63.543(a), except during the first year when the concentration is calculated using the method described in 40 CFR 63.543(a)(2).

(e)(2) Records of the concentration of total hydrocarbon and dioxins and furans in each process vent that has established limits for total hydrocarbon and dioxins and furans as required in 40 CFR 63.543(c).

(e)(3) NOT APPLICABLE - CEMS NOT USED FOR LEAD OR TOTAL HYDROCARBONS

(e)(4) Records of all alarms from the bag leak detection system specified in § 63.548.

(e)(5) A description of the procedures taken following each bag leak detection system alarm pursuant to 40 CFR 63.548(f)(1) and (2).

(e)(6) A summary of the records maintained as part of the practices described in the standard operating procedures manual for baghouses required under 40 CFR 63.548(a), including an explanation of the periods when the procedures were not followed and the corrective actions taken.

(e)(7) An identification of the periods when the pressure drop and water flow rate of wet scrubbers used to control process fugitive sources dropped below the levels established in 40 CFR 63.548(i), and an explanation of the corrective actions taken.

(e)(8) Records of the temperature monitor output, in 3-hour block averages, for those periods when the temperature monitored pursuant to 40 CFR 63.548(j) fell below the level established in 40 CFR 63.548(j)(4).

(e)(9) Certification that the plastic separation process for battery breakers required in 40 CFR 63.543(m) was operated at all times the battery breaker was in service.

(e)(10) Records of 15-minute periods when the pressure was not maintained as required in § 63.544(c) or power was lost to the continuous pressure monitoring system as required in § 63.548(k). Records of which wall is chosen as the windward wall must be included in the records required by § 63.10(c) if a total enclosure located within a larger structure is not impacted by ambient wind.

(e)(11) If a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction that occurred during the reporting period and caused or may have caused any applicable emissions limitation to be exceeded. The report must also include a description of actions taken during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.543(k), including actions taken to correct a malfunction.

(e)(12) A summary of the fugitive dust control measures performed during the required reporting period, including an explanation of the periods when the procedures outlined in the standard operating procedures manual pursuant to 40 CFR 63.545(a) were not followed and the corrective actions taken. The reports must not contain copies of the daily records required to demonstrate compliance with the requirements of the standard operating procedures manuals required under 40 CFR 63.545(a).

(e)(13) Records of any periods of startup or shutdown of a furnace including an explanation of the periods when the procedures required in 40 CFR 63.543(l) were not followed and the corrective actions taken.

(e)(14) You must submit records pursuant to paragraphs (e)(14)(i) through (iii) of this section.

(e)(14)(i) As of January 1, 2012 and within 60 days after the date of completing each performance test, as defined in 40 CFR

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63.2 and as required in this subpart, you must submit performance test data, except opacity data, electronically to EPA's Central Data Exchange by using the Electronic Reporting Tool (see http://www.epa.gov/ttn/chief/ert/ert_tool.html/). Only data collected using test methods compatible with the Electronic Reporting Tool are subject to this requirement to be submitted electronically into EPA's WebFIRE database.

(e)(14)(ii) NOT APPLICABLE - CONTROLS ARE BAGHOUSES EQUIPPED WITH HEPA FILTERS AS SECONDARY FILTERS

(e)(14)(iii) All reports required by this subpart not subject to the requirements in paragraph (e)(14)(i) and (ii) of this section must be sent to the Administrator at the appropriate address listed in 40 CFR 63.13. The Administrator or the delegated authority may request a report in any form suitable for the specific case (e.g., by electronic media such as Excel spreadsheet, on CD or hard copy). The Administrator retains the right to require submittal of reports subject to paragraph (e)(14)(i) and (ii) of this section in paper format.

V. REPORTING REQUIREMENTS.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.549]

Subpart X - National Emission Standards From Secondary Lead Smelting

Notification requirements.

(a) You must comply with all of the notification requirements of 40 CFR 63.9. Electronic notifications are encouraged if suitable for the specific case (e.g., by electronic media such as Excel spreadsheet, on CD or hard copy), and when required by this subpart.

(b) You must submit the fugitive dust control standard operating procedures manual required under 40 CFR 63.545(a) and the standard operating procedures manual for baghouses required under 40 CFR 63.548(a) to the Administrator or delegated authority along with a notification that the smelter is seeking review and approval of these plans and procedures. You must submit this notification no later than January 7, 2013. For sources that commenced construction or reconstruction after January 5, 2012, you must submit this notification no later than 180 days before startup of the constructed or reconstructed secondary lead smelter, but no sooner than January 5, 2012. For an affected source that has received a construction permit from the Administrator or delegated authority on or before January 5, 2012, you must submit this notification no later than January 7, 2014.

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.543]

Subpart X - National Emission Standards From Secondary Lead Smelting

Standards for process sources

Table 2 to Subpart X of Part 63 — Emissions Limits for Secondary Lead Smelting Furnaces

For vents from these processes . . .	You must meet the following emissions limits . . .	
	Total hydrocarbon ppm by volume expressed as propane corrected to 4 percent carbon dioxide	Dioxin and furan (dioxins and furans) nanograms/dscm expressed as TEQ corrected to 7 percent O2
There are no standards for dioxins and furans during periods of startup and shutdown.		
Collocated blast and reverberatory furnaces (new and existing)	20 ppmv	0.50 ng/dscm
Collocated blast and reverberatory furnaces when the reverberatory furnace is not operating for units that commence construction or reconstruction before June 9, 1994	360 ppmv	170 ng/dscm
Blast furnaces that commence construction or reconstruction before June 9, 1994	360 ppmv	170 ng/dscm

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Reverberatory and electric furnaces that commence construction or reconstruction before May 19, 2011	12 ppmv	0.20 ng/dscm

There are no standards for dioxins and furans during periods of startup and shutdown.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.543]

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Standards for process sources

(a) For existing sources, you must maintain the concentration of lead compounds in any process vent gas at or below 1.0 milligrams of lead per dry standard cubic meter (0.00043 grains of lead per dry standard cubic foot). You must maintain the flow-weighted average concentration of lead compounds in vent gases from a secondary lead smelting facility at or below 0.20 milligrams of lead per dry standard cubic meter (0.000087 grains of lead per dry standard cubic foot).

(a)(1) You must demonstrate compliance with the flow weighted average emissions limit on a 12-month rolling average basis, calculated monthly using the most recent test data available.

(a)(2) Until 12 monthly weighted average emissions rates have been accumulated, calculate only the monthly average weighted emissions rate.

(a)(3) You must use Equation 1 of this section to calculate the flow-weighted average concentration of lead compounds from process vents:

Where:
CFWA = Flow-weighted average concentration of all process vents.
n = Number of process vents.
Fi = Flow rate from process vent i in dry standard cubic feet per minute, as measured during the most recent compliance test.
Ci = Concentration of lead in process vent i, as measured during the most recent compliance test.

(a)(4) Each month, you must use the concentration of lead and flow rate obtained during the most recent compliance test performed prior to or during that month to perform the calculation using Equation 1 of this section.

(a)(5) NOT APPLICABLE - NO LEAD CEMS

(b) NOT APPLICABLE - NO NEW SOURCES

(c) You must meet the applicable emissions limits for total hydrocarbons and dioxins and furans from furnace sources specified in Table 2 of this subpart. There are no standards for dioxins and furans during periods of startup and shutdown.

(d) If you combine furnace emissions from multiple types of furnaces and these furnaces do not meet the definition of collocated blast and reverberatory furnaces, you must calculate your emissions limit for the combined furnace stream using Equation 2 of this section.

Where:
CEL = Flow-weighted average emissions limit (concentration) of combined furnace vents.
n = Number of furnace vents.
Fi = Flow rate from furnace vent i in dry standard cubic feet per minute.
CEli = Emissions limit (concentration) of pollutant in furnace vent i as specified in Table 2 of this subpart.

(e) If you combine furnace emissions with the furnace charging process fugitive emissions and discharge them to the atmosphere through a common emissions point, you must demonstrate compliance with the applicable total hydrocarbons concentration limit specified in paragraph (c) of this section at a location downstream from the point at which the two emissions streams are combined.

(f) If you do not combine the furnace charging process fugitive emissions with the furnace process emissions, and

SECTION E. Source Group Restrictions.

discharge such emissions to the atmosphere through separate emissions points, you must maintain the total hydrocarbons concentration in the exhaust gas at or below 20 parts per million by volume, expressed as propane.

(g) Following the initial performance or compliance test to demonstrate compliance with the lead emissions limits specified in paragraph (a) or (b) of this section, you must conduct performance tests according to the schedule in paragraph (g)(1) or (2) of this section.

(g)(1) Conduct an annual performance test for lead compounds from each process vent (no later than 12 calendar months following the previous compliance test), unless you install and operate a CEMS meeting the requirements of 40 CFR 63.8.

(g)(2) If an annual compliance test demonstrates that a process vent emitted lead compounds at 0.10 milligram of lead per dry standard cubic meter or less during the time of the annual compliance test, you may submit a written request to the Administrator applying for an extension of up to 24 calendar months from the previous compliance test to conduct the next compliance test for lead compounds.

(h) Following the initial performance or compliance test to demonstrate compliance with the total hydrocarbons emissions limits in paragraphs (c) and (f) of this section, you must conduct an annual performance test for total hydrocarbons emissions from each process vent that has established limits for total hydrocarbons (no later than 12 calendar months following the previous compliance test), unless you install and operate a CEMS meeting the requirements of 40 CFR 63.8. If an annual compliance test demonstrates that a process vent emitted total hydrocarbons at less than 50 percent of the allowable limit during the time of the annual compliance test, you may submit a written request to the Administrator applying for an extension of up to 24 calendar months from the previous compliance test to conduct the next compliance test for total hydrocarbons.

(i) Following the initial performance or compliance test to demonstrate compliance with the dioxins and furans emissions limits specified in paragraph (c) of this section, you must conduct a performance test for dioxins and furans emissions from each process vent that has established limits for dioxins and furans at least once every 6 years following the previous compliance test.

(j) You must conduct the performance tests specified in paragraphs (g) through (i) of this section under maximum representative operating conditions for the process. During the performance test, you may operate the control device at maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Upon request, you must make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(k) 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. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(l) If you own or operate a unit subject to emission limits in Table 2 of this subpart, you must minimize the unit's startup and shutdown periods following the manufacturer's recommended procedures, if available. You must develop and follow standard operating procedures designed to minimize emissions of total hydrocarbon for each startup or shutdown scenario anticipated. You must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted startups and shutdowns according to the manufacturer's recommended procedures, if available, and the standard operating procedures designed to minimize emissions of total hydrocarbons.

(m) In addition to complying with the applicable emissions limits for dioxins and furans listed in Table 2 to this subpart, you must operate a process to separate plastic battery casing materials from all automotive batteries prior to introducing feed into a furnace.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.544]

Subpart X - National Emission Standards From Secondary Lead Smelting

Standards for process fugitive sources.

(a) You must operate the process fugitive emissions sources and fugitive dust sources listed in paragraphs (a)(1) through (9) of this section in a total enclosure that is maintained at negative pressure at all times and vented to a control device

SECTION E. Source Group Restrictions.

designed to capture lead particulate. The total enclosure must meet the requirements specified in paragraph (c) of this section.

(a)(1) Smelting furnaces.
(a)(2) Smelting furnace charging areas.
(a)(3) Lead taps, slag taps, and molds during tapping.
(a)(4) Battery breakers.
(a)(5) Refining kettles, casting areas.
(a)(6) Dryers.
(a)(7) Agglomerating furnaces and agglomerating furnace product taps.
(a)(8) Material handling areas for any lead bearing materials except those listed in paragraph (b) of this section.
(a)(9) Areas where dust from fabric filters, sweepings or used fabric filters are processed.

(b) Total enclosures are not required in the following areas: lead ingot product handling areas, stormwater and wastewater treatment areas, intact battery storage areas, areas where lead bearing material is stored in closed containers or enclosed mechanical conveyors, and areas where clean battery casing material is handled.

(c) You must construct and operate total enclosures for the sources listed in paragraph (a) of this section as specified in paragraphs (c)(1) through (c)(3) of this section. The total enclosure must be free of significant cracks, gaps, corrosion or other deterioration that could cause lead bearing material to be released from the primary barrier. Measures must be in place to prevent the tracking of lead bearing material out of the unit by personnel or by equipment used in handling the material. An area must be designated to decontaminate equipment and any rinsate must be collected and properly managed.

(c)(1) You must ventilate the total enclosure continuously to ensure negative pressure values of at least 0.013 mm of mercury (0.007 inches of water).

(c)(2) You must maintain an inward flow of air through all natural draft openings.

(c)(3) If areas that contain one or more sources listed in paragraphs (a)(1) through (9) of this section are enclosed within a larger building that also meets the definition of a total enclosure under 40 CFR 63.542, the requirements of paragraphs (c)(1) and (2) shall be monitored pursuant to 40 CFR 63.548(k) at only one leeward, one windward and one additional wall of the outermost portion of the larger totally enclosed building rather than each individual area within the building.

(d) You must inspect enclosures and facility structures that contain any lead-bearing materials at least once per month. You must repair any gaps, breaks, separations, leak points or other possible routes for emissions of lead to the atmosphere within one week of identification unless you obtain approval for an extension from the Administrator before the repair period is exceeded.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.545]

Subpart X - National Emission Standards From Secondary Lead Smelting

Standards for fugitive dust sources

(a) You must prepare, and at all times operate according to, a standard operating procedures manual that describes in detail the measures that will be put in place and implemented to control the fugitive dust emissions from the sources listed in paragraphs (a)(1) through (7) of this section.

(a)(1) Plant roadways.
(a)(2) Plant buildings.
(a)(3) Accidental releases.
(a)(4) Battery storage area.
(a)(5) Equipment maintenance.
(a)(6) Material storage areas.
(a)(7) Material handling areas.

(b) You must submit the standard operating procedures manual to the Administrator or delegated authority for review and approval when initially developed and any time changes are made.

SECTION E. Source Group Restrictions.

(c) The controls specified in the standard operating procedures manual must at a minimum include the requirements specified in paragraphs (c)(1) through (7) of this section.

(c)(1) Where a cleaning practice is specified, you must clean by wet wash or a vacuum equipped with a filter rated by the manufacturer to achieve 99.97 percent capture efficiency for 0.3 micron particles in a manner that does not generate fugitive lead dust.

(c)(2) You must pave all areas subject to vehicle traffic and you must clean the pavement twice per day, except on days when natural precipitation makes cleaning unnecessary or when sand or a similar material has been spread on plant roadways to provide traction on ice or snow. Limited access and limited use roadways such as unpaved roads to remote locations on the property may be exempt from this requirement if they are used infrequently (no more than one round trip per day).

(c)(3) You must initiate cleaning of all affected areas within one hour after detection of any accidental release of lead dust that exceeds 10 pounds (the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) reportable quantity for lead at 40 CFR 302.4).

(c)(4) You must inspect any batteries that are not stored in a total enclosure once each week and move any broken batteries to an enclosure within 72 hours of identification. You must clean residue from broken batteries within 72 hours of identification.

(c)(5) You must wash each vehicle at each exit of the material storage and handling areas. The vehicle wash must include washing of tires, undercarriage and exterior surface of the vehicle followed by vehicle inspection.

(c)(6) You must perform all maintenance activities that could generate lead dust in a manner that minimizes emissions of fugitive dust. This must include one or more of the following:

(c)(6)(i) Performing maintenance inside a total permanent enclosure maintained at negative pressure.

(c)(6)(ii) Performing maintenance inside a temporary enclosure and use a vacuum system either equipped with a filter rated by the manufacturer to achieve a capture efficiency of 99.97 percent for 0.3 micron particles or routed to an existing control device permitted for this activity.

(c)(6)(iii) Performing maintenance inside a partial enclosure and use of wet suppression sufficient to prevent dust formation.

(c)(6)(iv) Decontamination of equipment prior to removal from an enclosure.

(c)(6)(v) Immediate repair of ductwork or structure leaks without an enclosure if the time to construct a temporary enclosure would exceed the time to make a temporary or permanent repair, or if construction of an enclosure would cause a higher level of emissions than if an enclosure were not constructed.

(c)(6)(vi) Activities required for inspection of fabric filters and maintenance of filters that are in need of removal and replacement are not required to be conducted inside of total enclosures. Used fabric filters must be placed in sealed plastic bags or containers prior to removal from a baghouse.

(c)(7) You must collect and transport all lead bearing dust (i.e. lead bearing material which is a dust) within closed conveyor systems or in sealed, leak-proof containers unless the collection and transport activities are contained within a total enclosure. All other lead bearing material must be contained and covered for transport outside of a total enclosure in a manner that prevents spillage or dust formation. Intact batteries and lead ingot product are exempt from the requirement to be covered for transport.

(d) Your standard operating procedures manual must specify that records be maintained of all pavement cleaning, vehicle washing, and battery storage inspection activities performed to control fugitive dust emissions.

(e) You must pave all grounds on the facility or plant groundcover sufficient to prevent wind-blown dust. You may use dust suppressants on unpaved areas that will not support a groundcover (e.g., roadway shoulders, steep slopes, limited access

SECTION E. Source Group Restrictions.

and limited use roadways).

(f) As provided in 40 CFR 63.6(g), as an alternative to the requirements specified in this section, you can demonstrate to the Administrator (or delegated State, local, or Tribal authority) that an alternative measure(s) is equivalent or better than a practice(s) described in this section.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.546]

Subpart X - National Emission Standards From Secondary Lead Smelting

Compliance dates.

(a) For affected sources that commenced construction or reconstruction on or before May 19, 2011, you must demonstrate compliance with the requirements of this subpart no later than January 6, 2014.

(b) For affected sources that commenced construction or reconstruction after May 19, 2011, you must demonstrate compliance with the requirements of this subpart by January 5, 2012 or upon startup of operations, whichever is later.

(c) Until the date specified in 63.546(a), secondary lead smelters that commenced construction or reconstruction on or before May 19, 2011, must continue to demonstrate compliance with the requirements of this subpart, codified in 40 CFR 63.541 through 40 CFR 63.550, that were in effect prior to the January 5, 2012, amendments. This means that secondary lead smelters that commenced construction or reconstruction on or before June 9, 1994, must continue to demonstrate compliance with existing source requirements of this subpart that were in effect prior to the January 5, 2012, amendments until the date specified in §63.546(a). Secondary lead smelters that commenced construction or reconstruction after June 9, 1994, and on or before May 19, 2011, must continue to demonstrate compliance with new source requirements of this subpart that were in effect prior to the January 5, 2012, amendments until the date specified in §63.546(a).

VII. ADDITIONAL REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

These sources are subject to 40 CFR Part 63, Subpart X. 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:

Associate Director
United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 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

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.541]

Subpart X - National Emission Standards From Secondary Lead Smelting

Applicability

40 CFR 63.552: Affirmative defense to civil penalties for exceedance of emissions limit during malfunction.

In response to an action to enforce the standards set forth in this subpart, you may assert an affirmative defense to a claim

SECTION E. Source Group Restrictions.

for civil penalties for exceedances of such standards that are caused by malfunction, as defined at 40 CFR 63.2. Appropriate penalties may be assessed, however, if you fail to meet your burden of proving all of the requirements in the affirmative defense. The affirmative defense shall not be available for claims for injunctive relief.

(a) To establish the affirmative defense in any action to enforce such a limit, you must timely meet the notification requirements in paragraph (b) of this section, and must prove by a preponderance of evidence that:

(a)(1) The excess emissions:

(a)(1)(i) Were caused by a sudden, infrequent, and unavoidable failure of air pollution control and monitoring equipment, process equipment, or a process to operate in a normal or usual manner.

(a)(1)(ii) Could not have been prevented through careful planning, proper design or better operation and maintenance practices.

(a)(1)(iii) Did not stem from any activity or event that could have been foreseen and avoided, or planned for.

(a)(1)(iv) Were not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

(a)(2) Repairs were made as expeditiously as possible when the applicable emissions limitations were being exceeded. Off-shift and overtime labor were used, to the extent practicable to make these repairs.

(a)(3) The frequency, amount and duration of the excess emissions (including any bypass) were minimized to the maximum extent practicable during periods of such emissions.

(a)(4) If the excess emissions resulted from a bypass of control equipment or a process, then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage.

(a)(5) All possible steps were taken to minimize the impact of the excess emissions on ambient air quality, the environment and human health.

(a)(6) All emissions monitoring and control systems were kept in operation if at all possible, consistent with safety and good air pollution control practices.

(a)(7) All of the actions in response to the excess emissions were documented by properly signed, contemporaneous operating logs.

(a)(8) At all times, the affected source was operated in a manner consistent with good practices for minimizing emissions.

(a)(9) A written root cause analysis has been prepared, the purpose of which is to determine, correct, and eliminate the primary causes of the malfunction and the excess emissions resulting from the malfunction event at issue. The analysis shall also specify, using best monitoring methods and engineering judgment, the amount of excess emissions that were the result of the malfunction.

(b) The owner or operator of the affected source experiencing an exceedance of its emissions limit(s) during a malfunction, shall notify the Administrator by telephone or facsimile transmission as soon as possible, but no later than two business days after the initial occurrence of the malfunction, it wishes to avail itself of an affirmative defense to civil penalties for that malfunction. The owner or operator seeking to assert an affirmative defense, shall also submit a written report to the Administrator within 45 days of the initial occurrence of the exceedance of the standard in this subpart to demonstrate, with all necessary supporting documentation, that it has met the requirements set forth in paragraph (a) of this section. The owner or operator may seek an extension of this deadline for up to 30 additional days by submitting a written request to the Administrator before the expiration of the 45-day period. Until a request for an extension has been approved by the Administrator, the owner or operator is subject to the requirement to submit such report within 45 days of the initial occurrence of the exceedance.

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.541]

Subpart X - National Emission Standards From Secondary Lead Smelting

Applicability

SECTION E. Source Group Restrictions.

(a) You are subject to this subpart if you own or operate any of the following affected sources at a secondary lead smelter: Blast, reverberatory, rotary, and electric furnaces; refining kettles; agglomerating furnaces; dryers; process fugitive emissions sources; buildings containing lead bearing materials; and fugitive dust sources. The provisions of this subpart do not apply to primary lead processors, lead refiners, or lead remelters.

(b) Table 1 to this subpart specifies the provisions of subpart A of this part that apply to owners and operators of secondary lead smelters subject to this subpart.

(c) If you are subject to the provisions of this subpart, you are also subject to title V permitting requirements under 40 CFR parts 70 or 71, as applicable.

(d) Emissions standards in this subpart apply at all times.

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

SECTION E. Source Group Restrictions.

Group Name: SG03 CEMS

Group Description: CEMS

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
108	REVERBERATORY FURNACE & TAPPING - BH #5

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 §127.441]

Operating permit terms and conditions.

The following continuous emission monitoring system (CEMS) must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the Submittal and Approval, Record Keeping and Reporting, and Quality Assurance requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(1) SO2 CEMS

(a) Source Combination to be Monitored: Sources 101 and 108
(b) Parameter to be Reported: SO2
(c) Units of Measurement to be Reported: ppm
(d) Moisture Basis of Measurement to be Reported: Dry
(e) Correction basis of Measurements to be Reported: None
(f) Data Substitution Required: No
(g) SO2 Emission Standards (See Condition 002 in SG01)

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the Record Keeping and Reporting requirements in Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Records shall be retained for at least 5 years and shall be made available to the Department upon request.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(5) and 139.101(12)]

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the Record Keeping and Reporting requirements as established in Revision No. 8 of the

SECTION E. Source Group Restrictions.

Department's Continuous Source Monitoring Manual, 274-0300-001, and

The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(10) and 139.101(12)]

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Continuous emission monitoring shall meet the following minimum data availability requirements for the 1-hour, 3-hour and 24-hour SO2 standards:

(a) In accordance with 25 Pa. Code Section 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(1) In each calendar month, at least 90% of the time periods for which each emission standard applies, shall be valid as set forth in the Quality Assurance section of Revision No.8 of the Department's Continuous Source Monitoring Manual, 274-0300-001, or

(2) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 139.101(12)]

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the Quality Assurance requirements in Revision No 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(2), 139.101(3), 139.101(4), 139.101(6), 139.101(7), 139.101(8), 139.101(12), 139.101(14) and 139.101(15))]

VII. ADDITIONAL REQUIREMENTS.

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

SECTION E. Source Group Restrictions.

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

SECTION E. Source Group Restrictions.

Group Name: SG04 CAM

Group Description: CAM

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
102	BLAST FURNACE VENTILATION SYSTEM-BH #3
103	MATERIAL STORAGE ROOM VENTILATION-BH#1
106	BATTERY BREAKER & SEPARATION OPERATION
107	SIX REFINING KETTLES - BH#4
108	REVERBERATORY FURNACE & TAPPING - BH #5
109	REVERBERATORY FURN VENTILATION GP#2- BH#5A
110	SCRAP DRYER - BH #6
118	FOUR REFINING KETTLES – BH#4
711	SMELTER ANNEX: SLAG STORAGE

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

#AAA

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

(1) Source 101/108, Smelter Furnace Scrubber: SO2 scrubber emissions as measured by the SO2 CEMS.
(2) Source 101/108, Smelter Furnace Baghouse: Bag leak detection system
(3) Source 101/108, Smelter Furnace Mist Eliminator: Visible emissions
(4) Source 106 Scrubber: (i) pH of the scrubbing liquid,(ii) Water flow to the scrubber, (iii) Pressure differential across the scrubber
(5) Sources 101/108, 102, 103, 107/118, 109, 110 and 711 Baghouses: Pressure differential across the baghouse.

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

(1) Source 101/108, Smelter Furnace Scrubber: SO2 CEMS
(2) Source 101/108, Smelter Furnace Baghouse: Bag leak detection system
(3) Source 101/108, Smelter Furnace Mist Eliminator: Method 9-certified staff
(4) Source 106 Scrubber: (i) Scrubber pH monitor, (ii) Scrubber water flow monitor, (iii) Magnahelic gauge to measure the pressure differential across the scrubber.
(5) Sources 101/108, 102, 103, 107/118, 109, 110 and 711: Magnahelic gauges to measure the pressure differential across each baghouse.

(c) The permittee shall monitor the process parameters described in (a), above, as follows:

(1) Source 101/108, Smelter Furnace Scrubber: continuously with SO2 CEMS while the source is operating
(2) Source 101/108, Smelter Furnace Baghouse: continuously with bag leak detection system while the source is operating

SECTION E. Source Group Restrictions.

(3) Source 101/108, Smelter Furnace Mist Eliminator: The permittee shall observe the opacity of the scrubber exhaust once per day while the source and scrubber are operating.
(4) Source 106 Scrubber: Once per day for each parameter
(5) Sources 101/108, 102, 103, 107/118, 109, 110 and 711: Once per day for each baghouse

(d) The permittee shall average the monitoring values collected pursuant to (c), above, as follows for the purposes of determining excursions:

(1) Source 101/108, Smelter Furnace Scrubber: as indicated in the SO2 standards listed in Condition 002 of SG01.
(2) Source 101/108, Smelter Furnace Baghouse: no averaging; each bag leak detection alarm would be an excursion.
(3) Source 101/108, Smelter Furnace Mist Eliminator: a determination of an excursion (or not) for visible emissions shall be made on a daily basis, as follows: If any readings are 20% or greater, then both of the following shall be done: (i) Comparison of readings with the 25 Pa. Code 123.41 standards, and (ii) Ensure that at least six consecutive minutes of observation are made, so that opacity can be determined as an average of 24 consecutive observations recorded at 15-second intervals. Divide the observations recorded on the record sheet into sets of 24 consecutive observations. A set is composed of any 24 consecutive observations. Sets need not be consecutive in time and in no case shall two sets overlap. For each set of 24 observations, calculate the average by summing the opacity of the 24 observations and dividing this sum by 24.
(4) Source 106 Scrubber: weekly average of daily readings for each parameter
(5) Sources 101/108, 102, 103, 107/118, 109, 110 and 711: weekly average of daily readings for each baghouse.

#BBB

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

(1) All monitor readings, alarms, averages and excursions required by Condition #AAA above, as well as daily evaluations of whether or not the opacity exiting the scrubber is less than 20%.
(2) all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.
(3) all inspections, repairs and maintenance performed on the process parameter monitoring equipment.
(4) 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.
(5) Method 9 certification information for all Method 9 certified staff.
(6) The number of hours of operation of each source during each six-month reporting period.

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

#CCC

(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.

#DDD

(a) The permittee shall use the following parameter ranges to determine excursions:

(1) Source 101/108, Smelter Furnace Baghouse: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
(2) Source 106 Scrubber: Acceptable scrubber pH is >6.0.
(3) Source 106 Scrubber: Acceptable scrubber water flow rate is > 480 gpm.
(4) Source 106 Scrubber: Acceptable scrubber pressure differential is between 1.0 inch of water and 5.0 inches of water.

SECTION E. Source Group Restrictions.

(5) Source 102: Baghouse C03: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
(6) Source 103: Baghouse C04: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
(7) Sources 107/118: Baghouse C11: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
(8) Source 109: Baghouse C02A: Acceptable baghouse pressure differential is between 0.1 inch of water and 8.0 inches of water.
(9) Source 110: Baghouse C10: Acceptable baghouse pressure differential is between 0.1 inch of water and 9.0 inches of water.
(10) Source 711: Baghouse C711: Acceptable baghouse pressure differential is between 0.1 inch of water and 9.0 inches of water.

(b) The following shall be defined as an excursion:

(1) Source 101/108, Smelter Furnace Scrubber:

(i) A violation of the SO2 emission standards listed on Condition 002 of SG01.

(ii) Failure to maintain SO2 CEMS data for at least 90% of the time periods in each calendar month for which each emission standard applies.

(iii) Failure to maintain SO2 CEMS data for at least 95% of the hours in each calendar quarter for which each emission standard applies.

(2) Sources 101/108, Smelter Furnace Baghouse: Each baghouse leak detector alarm shall be defined as an excursion. Baghouse leak detector downtime >5% of the source operating time in a reporting period shall also be defined as an excursion.

(3) Sources 101/108, Smelter Furnace Mist Eliminator: Any observation incident in which any 24-reading average opacity exiting the scrubber is determined to be 20% or greater, shall be defined as an excursion. Any violation of 25 Code Section 123.41 shall also be defined as an excursion. Failure to perform a daily visible emissions observations for greater than 5% of the required readings in a reporting period shall also be defined as an excursion.

(4) A departure from the parameter ranges specified in (a), above, based on the average of the daily parameter values, on a weekly basis, shall be defined as an excursion. Failure to perform a daily monitoring/record keeping of any process parameter for greater than 5% of the required readings in a reporting period shall also be defined as an excursion.

(c) 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.

(d) The permittee shall maintain spare monitoring equipment and related parts on site for routine repairs/replacement.

(e) The permittee shall maintain an ample supply of spare (replacement) bags for the baghouse(s) covered by this source group.

#EEE

(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 emission standard, alarm or parameter range occur in a six-month reporting period.
(2) Any excursions of any given data availability standard occur in a six-month reporting period.
(3) The Department determines after review of all reported information that the permittee has not responded acceptably to

SECTION E. Source Group Restrictions.

an excursion.

(b) The QIP should be developed within 60 days of the end of the relevant six-month reporting period, 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 any control device performance problems on such devices associated with the QIP. 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 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 recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Sections 64.1-64.10]

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 E. Source Group Restrictions.

Group Name: SG05 SUBPART ZZZZ

Group Description: SUBPART ZZZZ

Sources included in this group

ID	Name
113A	EMERGENCY ENGINES PRE-2006

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

1.) If you have 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, you must comply with the applicable emission limitations and operating limitations in this Source Group by no later than May 3, 2013

2.) 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, you must comply with the applicable emission limitations and operating limitations in this Source Group by no later than October 19, 2013.

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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

(e) The permittee shall keep records of the maintenance conducted on the stationary reciprocating internal combustion engines (RICE) operated at the secondary lead smelter facility in order to demonstrate that the stationary RICE were operated and maintained according to the maintenance plan.

(f) The permittee shall keep records of the hours of operation of each engine, recorded through its non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

In what form and how long must I keep my records?

(a) Records kept pursuant to this Source Group must be in a form suitable and readily available for expeditious review.

(b) - (c) The permittee shall keep each record pursuant to this Source Group 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.

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.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

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

What emission limitations 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?

The permittee shall perform the following operational and maintenance requirements on each of the stationary reciprocating internal combustion engines (RICE) operated at the secondary lead smelter facility as specified by 40 CFR §63.6602 and Table 2c

a. Change oil and filter every 500 hours of operation or annually, whichever comes first,
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first,
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

(e) and Table 6: The permittee shall operate and maintain the stationary reciprocating internal combustion engines (RICE) at the secondary lead smelter facility according to the manufacturer's emission-related operation and maintenance instructions; or the permittee shall develop and follow a maintenance plan. The maintenance plan must provide for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

(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 you must install a non-resettable hour meter if one is not already installed.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

(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 [TABLE 2C 1 APPLIES], you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7,

SECTION E. Source Group Restrictions.

or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart [TABLE 2C 6 APPLIES], you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(f) The permittee shall not operate the stationary reciprocating internal combustion engines (RICE) at the secondary lead smelter facility in such a way that exceeds the following operating hour limits for each engine:

a. 50 hours per year for non-emergency operation.
b. 100 hours per year for maintenance and readiness test runs, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine.

The permittee may operate the stationary reciprocating internal combustion engines (RICE) operated at the secondary lead smelter facility for up to 50 hours per year in nonemergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for the facility.

VII. ADDITIONAL REQUIREMENTS.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

What parts of the General Provisions apply to me?

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, you do not need to comply with any of the requirements of the General Provisions specified in Table 8 of Subpart ZZZZ.

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

SECTION E. Source Group Restrictions.

Group Name: SG06 RACT 2 PRESUMPTIVE

Group Description: Presumptive RACT

Sources included in this group

ID	Name
102	BLAST FURNACE VENTILATION SYSTEM-BH #3
107	SIX REFINING KETTLES - BH#4
109	REVERBERATORY FURN VENTILATION GP#2- BH#5A
110	SCRAP DRYER - BH #6
112	MISCELLANEOUS COMBUSTION SOURCES
113A	EMERGENCY ENGINES PRE-2006
113B	EMERGENCY SI ENGINES POST-2006

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 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

AAA - RACT 2 conditions for Sources 102 and 109

(1) In accordance with 25 PA Code 129.97(c)(2), beginning on January 1, 2017, the permittee shall operate and maintain all sources with the potential to emit less than 2.7 tons per year of VOC in accordance with manufacturer specifications and with good operating practices to limit VOC emissions.

(2) The permittee shall limit emissions of VOC from each Source 102 and Source 109 to 2.7 tons in any consecutive 12-month period. The permittee shall maintain records to show it is meeting these limits.

BBB - RACT 2 conditions for Sources 107 and 110 and 112

SECTION E. Source Group Restrictions.

(1) In accordance with 25 PA Code 129.97(c)(3), beginning on January 1, 2017, the permittee shall operate and maintain all combustion sources with an individual rated gross heat input less than 20 million Btu per hour in accordance with manufacturer specifications and with good operating practices to limit NOx and VOC emissions.

CCC - RACT 2 conditions for Sources 113A and 113B

(1) In accordance with 25 PA Code 129.97(c)(5), beginning on January 1, 2017, the permittee shall operate and maintain all internal combustion engines (ICE) in accordance with manufacturer specifications and with good operating practices to limit NOx and VOC emissions.

Note: Upon approval of the presumptive RACT 3 requirements in Group SG09 as a SIP revision, the conditions above shall be superseded by the presumptive RACT 3 requirements in SG09, except for the 2.7 tpy VOC limit for Source IDs 102 & 109.

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

SECTION E. Source Group Restrictions.

Group Name: SG07 SUBPART JJJJ

Group Description: 40 CFR 60.4230

Sources included in this group

ID	Name
113B	EMERGENCY SI ENGINES POST-2006

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Table 1 to Subpart JJJJ of Part 60.--

§ 60.4230 Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) [NA - NOT AN ENGINE MANUFACTURER]

(2) [NA - NOT AN ENGINE MANUFACTURER]

(3) [NA - NOT AN ENGINE MANUFACTURER]

(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

(i) [NA - UNIT(S) < 500 HP]

(ii) [NA - UNIT(S) < 500 HP]

(iii) on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or

(iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

(5) [NA - ENGINES NOT MODIFIED OR RECONSTRUCTED]

(6) The provisions of § 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

(b) [NA - ENGINE TEST CELL NOT RELEVANT HERE]

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 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.

(d) [NA - UNITS NOT GASOLINE-FUELED]

(e) Stationary SI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR parts 1048 and 1054, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

(f) [NA - NOT TEMPORARY REPLACEMENT UNITS]

SECTION E. Source Group Restrictions.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972, June 28, 2011; 86 FR 34360, June 29, 2021]

Emission Standards for Owners and Operators

§ 60.4233 What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

(a) [NA - UNITS > 25 HP]

(b) [NA - UNIT(S) DO NOT BURN GASOLINE]

(c) [NA - UNIT(S) DO NOT BURN LPG]

(d) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards for field testing in 40 CFR 1048.101(c) for their non-emergency stationary SI ICE and with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE. Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) manufactured prior to January 1, 2011, that were certified to the standards in Table 1 to this subpart applicable to engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP, may optionally choose to meet those standards.

(e) Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.

TABLE 1 REQUIREMENTS:

Table 1 to Subpart JJJJ of Part 60—NOX , CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines =100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 HP

Engine type and fuel: Emergency HP >=130
Maximum engine power: HP=259
Manufacture date: 1/1/2009
Emission standards*:
NOx (g/HP-hr): 2.0
CO (g/HP-hr): 4.0
VOC **(g/HP-hr): 1.0
NOx (ppmvd at 15% O2): 160
CO (ppmvd at 15% O2): 540
VOC **(ppmvd at 15% O2): 86

Engine type and fuel: Emergency 25<HP<130
Maximum engine power: HP=64
Manufacture date: 1/1/2009
Emission standards:
NOx (g/HP-hr): 10***
CO (g/HP-hr): 387

*Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O2.

**For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde

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should not be included.

***The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NOX + HC.

END OF TABLE 1 REQUIREMENTS

(f) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

(g) [NA - STATIONARY WELLHEAD GAS NOT USED]

(h) Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

§ 60.4234 How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

Other Requirements for Owners and Operators

§ 60.4235 What fuel requirements must I meet if I am an owner or operator of a stationary SI gasoline fired internal combustion engine subject to this subpart?

[NA - UNIT(S) DO NOT BURN GASOLINE]

§ 60.4236 What is the deadline for importing or installing stationary SI ICE produced in previous model years?

(a) After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in § 60.4233.

(b) [NA - UNITS < 500 HP]

(c) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.

(d) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

(e) The requirements of this section do not apply to owners and operators of stationary SI ICE that have been modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location.

§ 60.4237 What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

(a) [NA - UNIT(S) < 500 HP]

(b) Starting on January 1, 2011, if the emergency stationary SI internal combustion engine that is greater than or equal to 130 HP and less than 500 HP that was built on or after January 1, 2011, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter.

(c) If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

SECTION E. Source Group Restrictions.

Compliance Requirements for Owners and Operators

§ 60.4243 What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

(a) [THIS SECTION APPLIES, AS REFERENCED BACK FROM 60.4243(b)(1)] If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) If you are an owner or operator of a stationary SI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup to demonstrate compliance.

(iii) [NA - UNIT(S) < 500 HP]

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) [NA - CERTIFIED ENGINE(S) PURCHASED]

(c) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE 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 (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) 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 ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i)

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through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary ICE 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 (d)(2) of this section. Except as provided in paragraph (d)(3)(i) 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) 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.

(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.

(ii) [Reserved]

(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.

(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine undergoes rebuild, major repair or maintenance. Engine rebuilding means to overhaul an

SECTION E. Source Group Restrictions.

engine or to otherwise perform extensive service on the engine (or on a portion of the engine or engine system). For the purpose of this paragraph (f), perform extensive service means to disassemble the engine (or portion of the engine or engine system), inspect and/or replace many of the parts, and reassemble the engine (or portion of the engine or engine system) in such a manner that significantly increases the service life of the resultant engine.

(g) [NA - CATALYSTS NOT EMPLOYED]

(h) [NA - UNIT(S) < 500 HP]

(i) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

Testing Requirements for Owners and Operators

§ 60.4244 What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

[NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

Notification, Reports, and Records for Owners and Operators

§ 60.4245 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(c) [NA - UNIT(S) < 500 HP]

(d) [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

SECTION E. Source Group Restrictions.

(e) If you own or operate an emergency stationary SI ICE with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 60.4243(d)(2)(ii) and (iii) or that operates for the purposes specified in § 60.4243(d)(3)(i), you must submit an annual report according to the requirements in paragraphs (e)(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 and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in § 60.4243(d)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in § 60.4243(d)(2)(ii) and (iii).

(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in § 60.4243(d)(2)(ii) and (iii).

(vii) Hours spent for operation for the purposes specified in § 60.4243(d)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4243(d)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(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) 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) (www.epa.gov/cdx). 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 § 60.4.

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021]

General Provisions

§ 60.4246 What parts of the General Provisions apply to me?

Table 3 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart JJJJ 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:

Associate Director
United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system

SECTION E. Source Group Restrictions.

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.

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 E. Source Group Restrictions.

Group Name: SG08 RACT 2

Group Description: RACT 2 Sources

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
108	REVERBERATORY FURNACE & TAPPING - BH #5
115	MISCELLANEOUS CHEMICAL USE

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

I. Sources 101/108

(a) For the combined exhaust of Sources 101 and 108, the permittee shall limit emissions to the following:

(1) 0.6 lb NOx/mmBtu determined in accordance with Section E, Source Group 07, VII Additional Requirements, Condition #001(l)(h)

(2) 71.42 tons of NOx for any rolling consecutive 12-month period

(i) Rolling 12-month NOx emissions are based on fuel input to reverberatory furnace and afterburner natural gas burners and most recent stack test results expressed as lb NOx/mmBtu, or other methods approved by the department.

(b) The permittee shall limit the emissions from the furnaces to the following:

(1) Total Hydrocarbons - 20 ppmv measured as propane at 4% carbon dioxide in accordance with Condition #001(l)(h) (both furnaces)
(2) Total Hydrocarbons - 360 ppmv measured as propane at 4% carbon dioxide in accordance with Condition #001(l)(h) (blast furnace only)
(3) Total Hydrocarbons - 20 ppmv measured as propane at 4 % carbon dioxide in accordance with Condition #001(l)(h) (reverberatory furnace only)
(4) Volatile Organic Compounds (VOC) - 28.61 tons in any consecutive 12-month period

(c) The permittee shall pass the exhaust of both furnaces through the afterburner.

(d) Source 101/108 shall not exceed 7,680 hours of operation during any consecutive 12-month period (rolling basis). The hours of operation shall be recorded.

(e) The permittee shall comply with the requirements of 40 CFR Part 63, Subpart X - National Emission Standards From Secondary Lead Smelting, with regard to total hydrocarbon emissions, controls, testing, monitoring, recordkeeping, reporting and work practices.

(f) After the initial source test has been completed, source tests for NOx and VOC shall be conducted once in each 5-year calendar period. Unless otherwise approved in writing by DEP, emission testing for VOC shall be conducted using EPA Methods 1-4, 18, and 25A, and the Method 25A results shall be corrected for non-VOC hydrocarbons using Method 18. Unless otherwise approved in writing by DEP, emission testing for NOx shall also be conducted using EPA Methods 1 through 4 and 7E.

(g) The permittee shall monthly calculate and record the total NOx emissions from Sources 101/108 for the most recent 12-month period, based on stack test results or other methods approved by the Department.

(h) The permittee shall employ good combustion practices when operating Source IDs 101 and 108 to limit NOx and VOC emissions.

(i) The permittee shall keep records to demonstrate compliance with 25 PA Code 129.96 through 129.100. In accordance

SECTION E. Source Group Restrictions.

with 25 PA Code 129.100(i), the records shall be retained by the permittee for 5 years and made available to the Department upon receipt of a written request from the Department.

II. Source 115

(a) Source 115 includes but is not limited to VOC emissions from miscellaneous process related chemicals. The permittee shall meet RACT 2 requirements for Source 115 by complying with the following:

(1) Engaging in good operating practices to limit VOC emissions. Good operating practices include methods such as proper employee training, standard operating procedures, periodic inspections, good housekeeping, monitoring, and recordkeeping, and where possible use products subject to 25 Pa Code 130 – Standards for Products.

(2) VOC emissions from Source 115 shall not exceed 5 tons in any 12-month rolling period.

(i) The permittee shall calculate and record rolling 12-month VOC emissions using mass-balance calculations, material usage records, and miscellaneous material VOC content from material data sheets (or equivalent sources) or other methods approved by the Department.

Note: Upon approval of the case-by-case RACT 3 requirements in Group SG10 as a SIP revision, the conditions above shall be superseded by the case-by-case RACT 3 requirements in SG10, except for the following requirements for Source IDs 101/108: I.a.2, b.4 & g, and except for the following requirement for Source ID 115: II.a.2.

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 E. Source Group Restrictions.

Group Name: SG09

Group Description: §§129.111 - 129.115 - RACT III Presumptive Requirements

Sources included in this group

ID	Name
102	BLAST FURNACE VENTILATION SYSTEM-BH #3
107	SIX REFINING KETTLES - BH#4
109	REVERBERATORY FURN VENTILATION GP#2- BH#5A
110	SCRAP DRYER - BH #6
112	MISCELLANEOUS COMBUSTION SOURCES
113A	EMERGENCY ENGINES PRE-2006
113B	EMERGENCY SI ENGINES POST-2006

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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall install, maintain and operate the sources in accordance with the manufacturer's specifications and with good operating practices pursuant to 25 Pa Code § 129.112(c)(1), (c)(2), (c)(4), (c)(10), & (d). Specifically:

(1) Source ID 107 - 25 Pa Code §129.112(c)(1) & (d)
(2) Source IDs 102 & 109 - 25 Pa Code §129.112(c)(2)
(3) Source IDs 110 &112 - 25 Pa Code §129.112(c)(4)
(4) Source IDs 113A & 113B - 25 Pa Code §129.112(c)(10)

(b) In accordance with 25 Pa. Code §129.115(f), the owner and operator of an air contamination source subject to this section and § § 129.111—129.114 shall keep records to demonstrate compliance with § § 129.111—129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

SECTION E. Source Group Restrictions.

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of § § 129.111—129.114 are met.

(i) For sources subject to 25 Pa. Code §§129.112(c)(2), EPM shall keep records to demonstrate that the VOC PTE of each affected source is less than 2.7 tons per year.

(ii) For sources subject to 25 Pa. Code §§129.112(c)(4), EPM shall keep records to demonstrate that the individual rated gross heat input of each affected source is less than 20 MMBtu/hr.

(iii) For sources subject to 25 Pa. Code §§129.112(c)(10), EPM shall keep records to demonstrate that each affected source operates less than 500 hours per 12-month rolling period.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(c) In accordance with 25 Pa. Code §129.115(k), all records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

Note: Upon approval of the presumptive RACT 3 requirements in this group as a SIP revision, the conditions in RACT 2 Group SG06 shall be superseded by the presumptive RACT 3 requirements of this group, except for the 2.7 tpy VOC limit for Source IDs 102 & 109.

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

SECTION E. Source Group Restrictions.

Group Name: SG10

Group Description: §§129.111 - 129.115 - RACT III Case-by-Case Requirements

Sources included in this group

ID	Name
101	BLAST FURNACE - BH #5
108	REVERBERATORY FURNACE & TAPPING - BH #5
115	MISCELLANEOUS CHEMICAL USE

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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

I. Sources 101 (Blast Furnace - BH#5) & 108 (Reverberatory Furnace & Tapping - BH#5)

(a) For the combined exhaust of Sources 101 and 108, the permittee shall limit emissions to the following:

(1) 0.6 lb NOx/mmBtu, determined in accordance with Condition #001 I.(f), below.

(b) The permittee shall limit the emissions from the furnaces to the following:

(1) Total Hydrocarbons - 20 ppmv measured as propane at 4% carbon dioxide, determined in accordance with Condition #001 I.(f), below. (both furnaces)
(2) Total Hydrocarbons - 360 ppmv measured as propane at 4% carbon dioxide, determined in accordance with Condition #001 I.(f), below. (blast furnace only)
(3) Total Hydrocarbons - 20 ppmv measured as propane at 4 % carbon dioxide, determined in accordance with Condition #001 I.(f), below. (reverberatory furnace only)

(c) The permittee shall pass the exhaust of both furnaces through the afterburner.

(d) Source 101/108 shall not exceed 7,680 hours of operation during any consecutive 12-month period (rolling basis). The

SECTION E. Source Group Restrictions.

hours of operation shall be recorded.

(e) The permittee shall comply with the requirements of 40 CFR Part 63, Subpart X - National Emission Standards From Secondary Lead Smelting, with regard to total hydrocarbon emissions, controls, testing, monitoring, recordkeeping, reporting and work practices.

(f) Source tests for NOx and VOC shall be conducted once in each 5-year calendar period. Unless otherwise approved in writing by DEP, emission testing for VOC shall be conducted using EPA Methods 1-4, 18, and 25A, and the Method 25A results shall be corrected for non-VOC hydrocarbons using Method 18. Unless otherwise approved in writing by DEP, emission testing for NOx shall also be conducted using EPA Methods 1 through 4 and 7E. [INITIAL TEST CONDUCTED ON 12/9/21]

(g) The permittee shall employ good combustion practices when operating Source IDs 101 and 108 to limit NOx and VOC emissions.

(h) The permittee shall keep records to demonstrate compliance with 25 Pa Code §§129.111 through 129.115. In accordance with 25 PA Code 129.115(f) & (k), the records shall be retained by the permittee for 5 years and made available to the Department upon receipt of a written request from the Department.

II. Source 115 (Miscellaneous Chemical Use)

(a) Source 115 includes but is not limited to VOC emissions from miscellaneous process related chemicals. The permittee shall meet RACT 3 requirements for Source 115 by complying with the following:

(1) Engaging in good operating practices to limit VOC emissions. Good operating practices include methods such as proper employee training, standard operating procedures, periodic inspections, good housekeeping, monitoring, and recordkeeping, and where possible use products subject to 25 Pa Code 130 – Standards for Products.

Note: Upon approval of the case-by-case RACT 3 requirements in this group as a SIP revision, the conditions in RACT 2 Group SG08 shall be superseded by the case-by-case RACT 3 requirements of this group, except for the following requirements for Source IDs 101/108: I.a.2, b.4 & g, and except for the following requirement for Source ID 115: II.a.2.

***** 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.

#001
This amended permit includes the sources & conditions of Title V Operating Permit No. 06-05040, issued on 6/1/22 and modified on 11/14/23 & Plan Approval No. 06-05040E. This permit supersedes those permits.

#002
The capacity/throughputs for the sources at the smelter are based on the following:

- Blast Furnace - The daily maximum production rate of the furnace (150 tons per day) converted to an hourly rate of 6.25 tons.
- Reverberatory Furnace - The daily maximum production rate of the furnace (310 tons per day) converted to an hourly rate of 12.9 tons.
- Blast Furnace Ventilation System - The blast furnace production rate.
- Battery Breaker & Separation Operation - The hourly rate is based on the daily throughput of the operation.
- Six Refining Kettles - The 19.2 ton per hour rate is a daily average.
- Reverberatory Furnace Ventilation System - The reverberatory furnace production rate.
- Four Refining Kettles - The 19.2 ton per hour rate is a daily average.

#003
All of the capacity/throughput values are for information purposes only and are not operating limits.

#004
The Battery Breaker & Separation Operation includes two sources vented to the same control device:

(a) Automotive Battery Breaker & Separation Operation
(b) Industrial Battery Separation Operation

#005
The following sources include the following sub-sources:

Source 102 Blast Furnace Ventilation System-Grp #3 - BH#3

(a) Ventilation point at top of blast furnace (charging area)
(b) Blast furnace slag tap
(c) Canopy hood, pump repair
(d) Blast furnace lead well
(e) Ingot ventilation (rotary table)

Source 108 Reverberatory Furnace & Tapping - BH#5

(a) Reverberatory furnace slag tap
(b) Reverberatory furnace lead well
(c) Reverberatory furnace charging hood
(d) Reverberatory furnace

Source 109 Reverberatory Furnace Ventilation Group #2 - BH#5A

(a) Three holding kettles
(b) Reverberatory furnace lead runners
(c) Reverberatory furnace slag mold cooling

Source 112 Miscellaneous Combustion Sources

(a) Burners used to heat the holding kettles (109)
(b) All other miscellaneous combustion (space heaters, etc.)

Source 113A Emergency Generators installed prior to June 12, 2006 includes the following engines:

ID#	BLDG	HP	FUEL
SM-016	SMELTER	7	NATURAL GAS

SECTION H. Miscellaneous.

Source 115 Miscellaneous Chemical Use

(a) Solvent usage
(b) Degreasers and parts cleaners

#006
The following sources have been found to be of minor significance:

(a) Plastic Recycling Operation (114)
(b) Acid Reclaim Operation
(c) Pallet Shredder

#007
The following sources have been found to be minor for emissions of volatile organic compounds:

(a) Scrap Dryer (110)
(b) Miscellaneous Combustion Sources (112)

#008
The source 112 "Miscellaneous Combustion Sources" includes the following items:

(a) Combustion Units:
(1) One (1) Columbia Steam Boiler
(2) Two (2) Gas Water Heaters (Lochinvar)(Battery Breaker Locker Room)
(3) One (1) Heater System (Vantage II Co-Ray-Vac)(Scrubber Building)
(4) Two (2) Co-Ray-Vac Heater Systems (Rogers Gordon)(Lead Storage, Battery Breaker Docks)
(5) One (1) Karcher Pressure Washer (services vehicle wash at scrap room)
(6) Four (4) Gas Water Heaters (Paloma) (Smelter Locker Room)

(b) Processes:
(1) Four (4) Torches (Casting Area)
(2) One (1) Torch (Blast Furnace Area)
(3) Three (3) Portable Torches
(4) Two (2) Kerosene/Diesel Heaters
(5) One (1) Aspirating Burner on Casting Machine
(6) One (1) Commercial Comfort Heating Unit (Acid Reclaim Building)
(7) One (1) Control Air Systems Heating Unit (Battery Breaker Building)
(8) One (1) Gas Furnace Heating Unit (York)(New Locker Room)
(9) One (1) Gas Furnace Heating Unit (York) (New Lunch Room)
(10) Two (2) Modine Heater (Agglomerator Building)
(11) Two (2) Modine Heater (Blast Furnace Area)
(12) One (1) DNP Manufacturing Gas Heater (Press Room/Old Industrial Battery Breaker)
(13) Two (2) HVAC Package Units (York)(Lunchroom & Supervisor's Office)
(14) Two (2) HVAC Package Units (York)(Breaker Locker Room & Smelter Office)

#009
The following is a listing of sources subject to 40 CFR Part 63, Subpart X, National Emission Standards for Secondary Lead Smelting, and how this regulation defines them:

(a) Process Sources:
(1) 101 Blast Furnace - BH #5
(2) 108 Reverberatory Furnace - BH #5

(b) Process Fugitive Sources:
(1) 102 Blast Furnace Ventilation System - BH #3
(2) 107 Refining Kettles - BH #4
(3) 109 Reverberatory Furnace Ventilation System - BH #5
(4) 110 Scrap Dryer - BH #6
(5) 118 Refining Kettles - BH #4

SECTION H. Miscellaneous.

(c) Fugitive Sources:
(1) 103 Material Storage Room Ventilation - BH#1
(2) 104 Plant Roadways
(3) 106 Battery Breaker & Separation Operation

#010
Source 113B (Emergency Engines) includes the following emergency generator engine(s) installed after June 12, 2006, and subject to 40 CFR 60 Subpart JJJJ:

ID#	BLDG	HP	FUEL
GE-082	Smelter	259	NATURAL GAS
GE-104	Smelter	64	NATURAL GAS

#011
This is Revision No.2 of the facility's Title V Operating Permit issued on 6/1/22. This revision incorporates Plan Approval No. 06-05040E.

****** End of Report ******