



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: August 6, 2019

Effective Date: September 1, 2019

Expiration Date: August 31, 2024

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: 46-00162

Federal Tax Id - Plant Code: 35-0362850-1

Owner Information

Name: HAMMOND GROUP INC
Mailing Address: 10 S GROSSTOWN RD
POTTSTOWN, PA 19464-3764

Plant Information

Plant: HAMMOND LEAD PRODUCTS/POTTSTOWN
Location: 46 Montgomery County 46821 West Pottsgrove Township
SIC Code: 2819 Manufacturing - Industrial Inorganic Chemicals, Nec

Responsible Official

Name: BRIAN HUGHES
Title: PLANT MGR
Phone: (610) 327 - 1400

Permit Contact Person

Name: AMANDA BENIK
Title: EHS DIRECTOR
Phone: (610) 327 - 1400

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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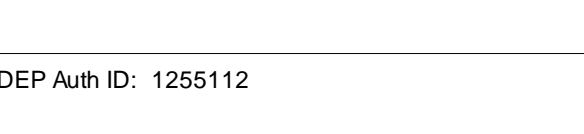
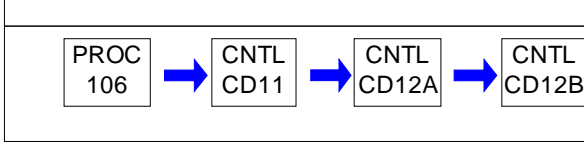
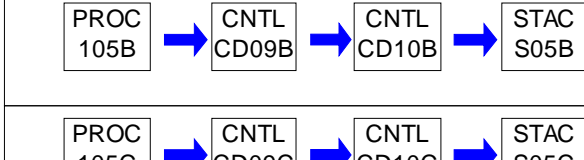
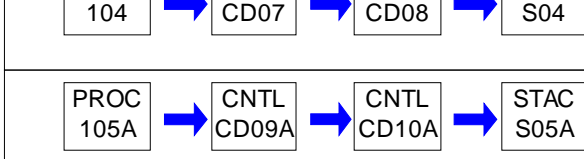
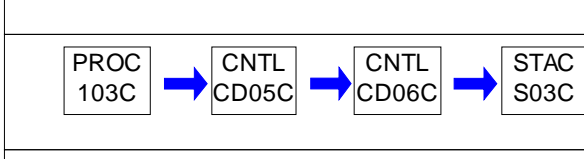
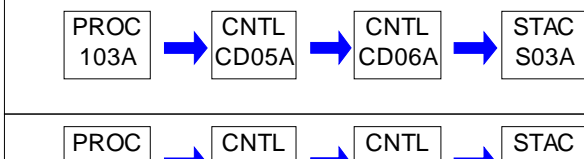
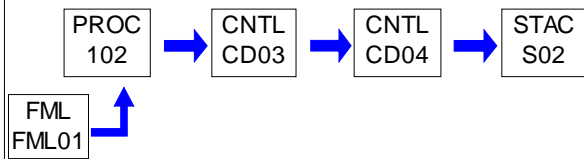
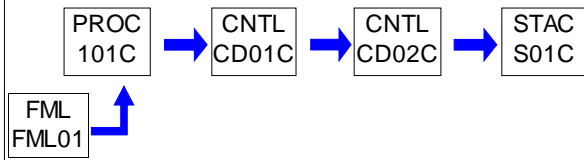
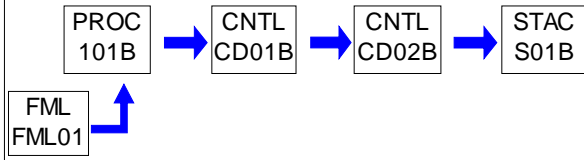
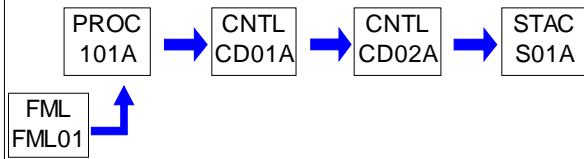
**SECTION A. Site Inventory List**

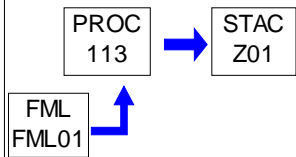
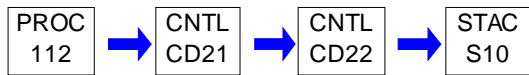
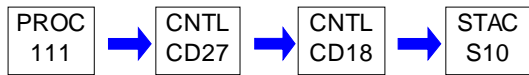
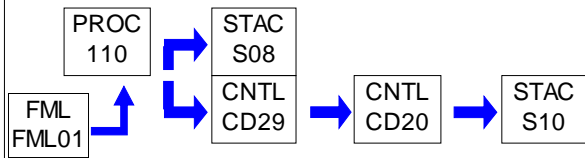
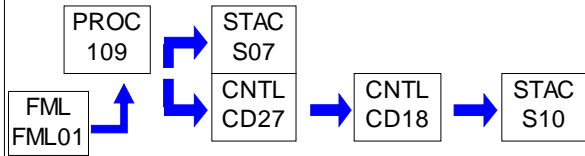
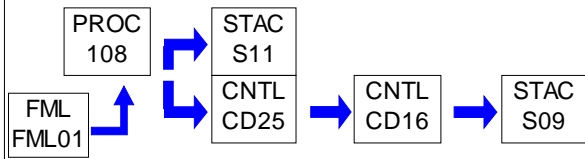
Source ID	Source Name	Capacity/Throughput	Fuel/Material
101A	BARTON PROCESS UNIT 1	N/A	LEAD OXIDE
		N/A	Natural Gas
101B	BARTON PROCESS UNIT 2	N/A	Natural Gas
		N/A	LEAD OXIDE
101C	BARTON PROCESS UNIT 3	N/A	Natural Gas
		N/A	LEAD OXIDE
102	CALCINING	N/A	Natural Gas
103A	MILL 1 (HMMILL)		
103B	MILL 2 (RED LEAD MILL)		
103C	MILL 3 (LITHARGE MILL)		
104	PACKING AND WEIGHING STATIONS		
105A	BULK STORAGE AREA (HM)		
105B	BULK STORAGE AREA (RED LEAD)		
105C	BULK STORAGE AREA (LITHARGE)		
106	POLY-DISPERSION PROCESS		
108	BARTON PROCESS NO. 4	N/A	LEAD OXIDE
		N/A	Natural Gas
109	BARTON PROCESS NO. 5	N/A	LEAD OXIDE
		N/A	Natural Gas
110	BARTON PROCESS NO. 6	N/A	LEAD OXIDE
		N/A	Natural Gas
111	BARTON NO. 5 AND BARTON NO. 6 MILLING OPERATIONS	N/A	LEAD OXIDE
112	TRUCK LOADING OPERATIONS	N/A	LEAD OXIDE
113	STATIONARY SPARK IGNITION INTERNAL COMBUSTION ENGINE	N/A	Natural Gas
CD01A	BARTON 1 BAGHOUSE		
CD01B	BARTON 2 BAGHOUSE		
CD01C	BARTON 3 BAGHOUSE		
CD02A	BARTON 1 HEPA FILTER		
CD02B	BARTON 2 HEPA FITLER		
CD02C	BARTON 3 HEPA FILTER		
CD03	CALCINING BAGHOUSE		
CD04	CALCINING HEPA FILTER		
CD05A	MILL 1 BAGHOUSE		
CD05B	MILL 2 BAGHOUSE		
CD05C	MILL 3 BAGHOUSE		
CD06A	MILL 1 HEPA FILTER		
CD06B	MILL 2 HEPA FILTER		
CD06C	MILL 3 HEPA FILTER		
CD07	PACKING BAGHOUSE		
CD08	PACKING HEPA FILTER		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
CD09A	BULK STORAGE AREA (HM) BAGHOUSE		
CD09B	BULK STORAGE AREA (RED LEAD) BAGHOUSE		
CD09C	BULK STORAGE AREA (LITHARGE) BAGHOUSE		
CD10A	BULK STORAGE AREA (HM) HEPA FILTER		
CD10B	BULK STORAGE AREA (RED LEAD) HEPA FILTER		
CD10C	BULK STORAGE AREA (LITHARGE) HEPA FILTER		
CD11	POLY-DISPERSION CARTRIDGE FILTER		
CD12A	POLY-DISPERSION HEPA FILTER		
CD12B	POLY-DISPERSION HEPA FILTER		
CD16	BARTON 4 HEPA FILTER		
CD18	BARTON 5 HEPA FILTER		
CD20	BARTON 6 HEPA FILTER		
CD21	TANK BIN VENT FILTER		
CD22	TANK HEPA FILTER		
CD25	BARTON 4 BAGHOUSE		
CD27	BARTON 5 BAGHOUSE		
CD29	BARTON 6 BAGHOUSE		
FML01	NATURAL GAS		
S01A	BARTON 1 STACK		
S01B	BARTON 2 STACK		
S01C	BARTON 3 STACK		
S02	CALCINING STACK		
S03A	MILL 1 STACK		
S03B	MILL 2 STACK		
S03C	MILL 3 STACK		
S04	PACKING STACK		
S05A	HM BULK STORAGE STACK		
S05B	RED LEAD BULK STORAGE STACK		
S05C	LITHARGE BULK STORAGE STACK		
S06	POLY-DISPERSION STACK		
S07	BARTON 5 COMBUSTION STACK		
S08	BARTON 6 COMBUSTION STACK		
S09	BARTON 4 STACK		
S10	BARTON 5, BARTON 6, MILL, AND TRUCK LOADING STACK		
S11	BARTON 4 COMBUSTION STACK		
Z01	RICE EXHAUST		

PERMIT MAPS

PERMIT MAPS

PERMIT MAPS

**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

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

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

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

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

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

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

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

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

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

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

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

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

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

**SECTION B. General Title V Requirements**

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

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

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

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

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

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

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

#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

**SECTION B. General Title V Requirements**

to determine compliance with the permit.

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

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

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

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

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

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

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

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

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

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

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

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

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

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

R3_Air_Apps_and_Notices@epa.gov

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

#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

**SECTION B. General Title V Requirements**

25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

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

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

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

R3_Air_Apps_and_Notices@epa.gov

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

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

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

R3_Air_Apps_and_Notices@epa.gov

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

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

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

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

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

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(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).

**SECTION B. General Title V Requirements**

(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#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 NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (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.

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

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

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

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

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

**SECTION B. General Title V Requirements**

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:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

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

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

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

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

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

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

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (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.

**SECTION B. General Title V Requirements**

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

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

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

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

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

#026 [25 Pa. Code § 127.513]**Compliance Certification**

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

#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)

SECTION B. General Title V Requirements

- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

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

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

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

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

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

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

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

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

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

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

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

(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.

SECTION B. General Title V Requirements

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

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

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

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

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

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

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

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

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

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

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

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

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 a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (g) Sources, and classes of sources, other than those identified in (a) - (f) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1 (a)(1)-(9), if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]**Limitations**

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

004 [25 Pa. Code §123.41]**Limitations**

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

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (b) Equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]**Exceptions**

The opacity limitations of 25 Pa. Code § 123.41 (relating to Limitations) shall 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.

SECTION C. Site Level Requirements

(c) When the emission results from sources specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

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

The permittee shall limit facility-wide HAP emissions to less than 25 tons per year any combination HAP and less than 10 tons per year any single HAP.

007 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material in an air basin except when the open burning operations result from:

- (a) 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.
- (b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set solely for recreational or ceremonial purposes.
- (e) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A of this Permit may be in excess of the limitations specified in this Permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured 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.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) Odors which may be objectionable (as per 25 Pa. Code § 123.31).

**SECTION C. Site Level Requirements**

(2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42).

(3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

(1) Be investigated;

(2) Be reported to the facility management, or individual(s) designated by the permittee;

(3) Have appropriate corrective action taken (for emissions that originate on-site); and

(4) Be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

(a) Emissions increase of minor significance without notification to the Department;

(b) De minimis increases with notification to the Department, via letter;

(c) Increases resulting from a Request for Determination (RFD) to the Department; and

(d) Increases resulting from the issuance of a plan approval and subsequent operating permit.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of monthly and 12-month rolling sums of facility-wide HAP emissions.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

(a) Date, time, and location of the incident(s).

(b) The cause of the event.

(c) The corrective action taken, if necessary to abate the situation and prevent future occurrences.

V. REPORTING REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall notify DEP at 484-250-5061 within two (2) hours of discovery of the occurrence of any malfunction of the source(s) or associated air pollution control and/or recovery devices listed in Section A of this permit which results in or may possibly result in the emission of air contaminants in excess of the limitations specified in this permit or regulation

**SECTION C. Site Level Requirements**

contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this Title V facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.511(c)(1)–(2) and 127.513(5)(i)–(v).]

The permittee shall submit the following reports:

(a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V Permit as required under 25 Pa. Code § 127.513. The annual certificate of compliance shall be submitted to the Department in paper form, and EPA Region III in electronic form at the following email address: R3_APD_Permits@epa.gov. The subject line shall read: "TVOP No. 46-00162, Hammond Lead Products/Pottstown Facility."

(b) A semi-annual deviation report to the Department in paper form by October 1 of each year, for the period covering January 1–June 30, of the same year. [Note: The annual certificate of compliance in (a)(1), above, fulfills the obligation for the second deviation reporting period (i.e., July 1–December 31, of the previous year).]

016 [25 Pa. Code §135.21]**Emission statements**

The permittee shall submit by March 1, of each year, an annual emission statement for the preceding calendar year.

017 [25 Pa. Code §135.3]**Reporting**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information from all 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, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

(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.

SECTION C. Site Level Requirements

- (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.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512.]

The permittee shall immediately, upon discovery, implement measures which may include the application of a Plan Approval for the installation of air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of this permit is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that all sources and air cleaning devices are operated and maintained in accordance with manufacturer's specifications and/or the facility's work practice standards and good engineering and air pollution control practices.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #019(g), of Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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: 101A

Source Name: BARTON PROCESS UNIT 1

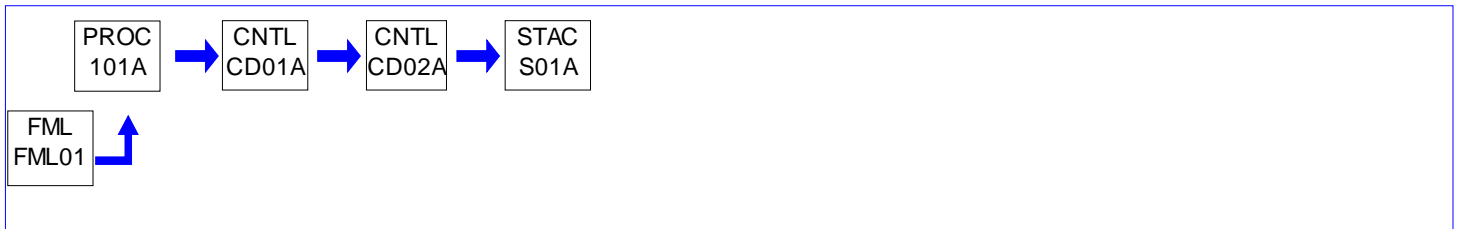
Source Capacity/Throughput:

N/A

LEAD OXIDE

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 101A (Barton Process 1), 101B (Barton Process 2), and 101C (Barton Process 3), in aggregate, as follows:

- (1) Lead: 5.64 tpy,
- (2) Nitrogen Oxides: 1.25 tpy,
- (3) Particulate Matter: 6.84 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Fuel Restriction(s).**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

This process shall only fire natural gas.

Control Device Efficiencies Restriction(s).**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value),

**SECTION D. Source Level Requirements**

use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

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.**# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

(a) The permittee shall monitor the pressure drop on the baghouse and HEPA filter associated with this source, on a daily basis.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel consumed by this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

008 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

009 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

010 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall maintain monthly records of the amount and type fuel consumed by this source.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall maintain monthly records of NOx emissions for this source, including 12-month rolling sums.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

(1) The test methods that were used to determine compliance;

(2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

(3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

**SECTION D. Source Level Requirements**

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair,

**SECTION D. Source Level Requirements**

and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.

018 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

019 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

020 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

- (a) The permittee shall maintain and operate all sources and associated air pollution control and recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.
- (b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections,

**SECTION D. Source Level Requirements**

detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the standards and compliance requirements for process vents?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

024 [25 Pa. Code §127.512]

Operating permit terms and conditions.

This Barton process contains a melting kettle and a Barton Pot.

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

**SECTION D. Source Level Requirements**

Source ID: 101B

Source Name: BARTON PROCESS UNIT 2

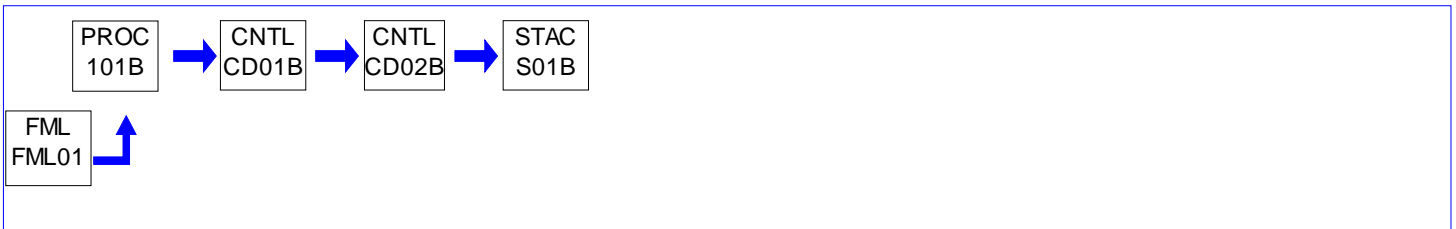
Source Capacity/Throughput:

N/A

Natural Gas

N/A

LEAD OXIDE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 101A (Barton Process 1), 101B (Barton Process 2), and 101C (Barton Process 3), in aggregate, as follows:

- (1) Lead: 5.64 tpy,
- (2) Nitrogen Oxides: 1.25 tpy,
- (3) Particulate Matter: 6.84 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Fuel Restriction(s).**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

This process shall only fire natural gas.

Control Device Efficiencies Restriction(s).**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value),

**SECTION D. Source Level Requirements**

use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

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.**# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

(a) The permittee shall monitor the pressure drop on the baghouse and HEPA filter associated with this source, on a daily basis.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel consumed by this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

008 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

009 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

010 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall maintain monthly records of the amount and type fuel consumed by this source.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall maintain monthly records of NOx emissions for this source, including 12-month rolling sums.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

(1) The test methods that were used to determine compliance;

(2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

(3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

**SECTION D. Source Level Requirements**

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair,

**SECTION D. Source Level Requirements**

and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.

018 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

019 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

020 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

(a) The permittee shall maintain and operate all sources and associated air pollution control and recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections,

SECTION D. Source Level Requirements

detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the standards and compliance requirements for process vents?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

024 [25 Pa. Code §127.512]

Operating permit terms and conditions.

This Barton process contains a melting kettle and a Barton Pot.

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

**SECTION D. Source Level Requirements**

Source ID: 101C

Source Name: BARTON PROCESS UNIT 3

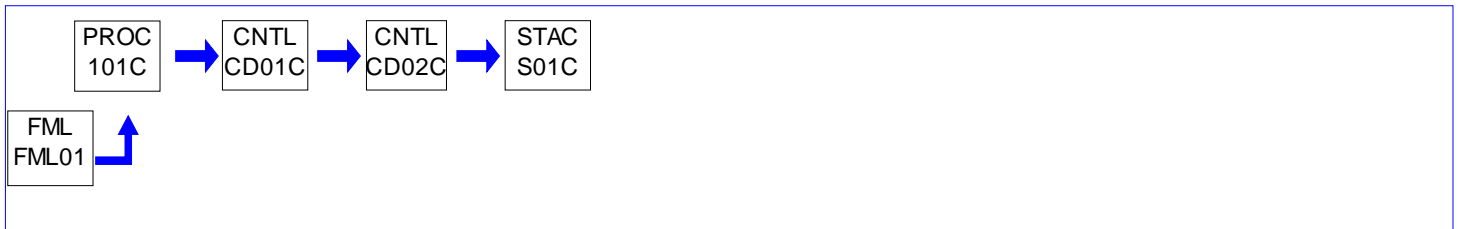
Source Capacity/Throughput:

N/A

Natural Gas

N/A

LEAD OXIDE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 101A (Barton Process 1), 101B (Barton Process 2), and 101C (Barton Process 3), in aggregate, as follows:

- (1) Lead: 5.64 tpy,
- (2) Nitrogen Oxides: 1.25 tpy,
- (3) Particulate Matter: 6.84 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Fuel Restriction(s).**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

This process shall only fire natural gas.

Control Device Efficiencies Restriction(s).**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value),

**SECTION D. Source Level Requirements**

use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

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.**# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

(a) The permittee shall monitor the pressure drop on the baghouse and HEPA filter associated with this source, on a daily basis.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel consumed by this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

008 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

009 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

010 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee shall maintain monthly records of the amount and type fuel consumed by this source.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall maintain monthly records of NOx emissions for this source, including 12-month rolling sums.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

(1) The test methods that were used to determine compliance;

(2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

(3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

**SECTION D. Source Level Requirements**

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair,

**SECTION D. Source Level Requirements**

and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 018 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

019 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

020 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

021 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

- (a) The permittee shall maintain and operate all sources and associated air pollution control and recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.
- (b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections,

SECTION D. Source Level Requirements

detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the standards and compliance requirements for process vents?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

024 [25 Pa. Code §127.512]

Operating permit terms and conditions.

This Barton process contains a melting kettle and a Barton Pot.

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

SECTION D. Source Level Requirements

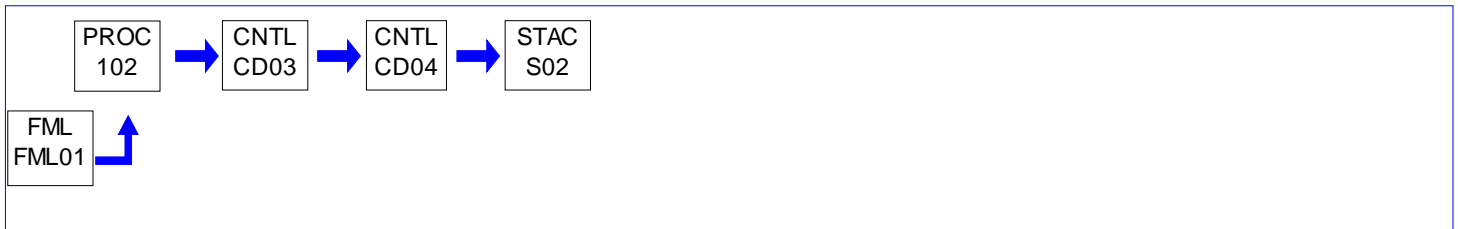
Source ID: 102

Source Name: CALCINING

Source Capacity/Throughput:

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the following pollutant emissions for this source:

- (1) Lead: 0.36 tpy,
- (2) Nitrogen Oxides: 3.2 tpy,
- (3) Particulate Matter: 2.19 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Fuel Restriction(s).**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

This process shall only fire natural gas.

Control Device Efficiencies Restriction(s).**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers,

**SECTION D. Source Level Requirements**

carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

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.

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

(a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall monitor the amount and type of fuel consumed by this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

010 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the amount and type fuel consumed by this source.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall maintain monthly records of NOx emissions for this source, including 12-month rolling sums.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

(1) The test methods that were used to determine compliance;

(2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

(3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

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(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair,

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and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 018 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

019 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

020 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

(a) The permittee shall keep spare filters on hand for replacement.

(b) The permittee shall replace filters as needed.

(c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

021 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method

**SECTION D. Source Level Requirements**

constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.**# 024 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

This source consists of the following:

- (a) raw material feed hoppers,
- (b) seven (7) calcining furnaces,
- (c) interconnecting conveyors,
- (d) product settling chambers, and
- (e) discharge hoppers.



SECTION D. Source Level Requirements

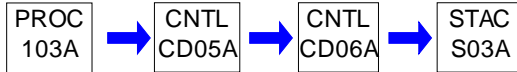
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 103A

Source Name: MILL 1 (HM MILL)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 103A, Source ID 103B, and Source ID 103C, in aggregate, as follows:

- (1) Lead: 67 lbs/yr,
- (2) Particulate Matter: 4.26 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

- (a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.
- (b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

- (a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.
- (b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:
 - (1) The test methods that were used to determine compliance;
 - (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

**SECTION D. Source Level Requirements**

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for

**SECTION D. Source Level Requirements****violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).
- (b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.
- (c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:
 - (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
 - (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
 - (3) The system will hold a test pressure.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**

SECTION D. Source Level Requirements**What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

(1) A description of the device;

(2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

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

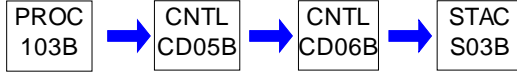
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 103B

Source Name: MILL 2 (RED LEAD MILL)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 103A, Source ID 103B, and Source ID 103C, in aggregate, as follows:

- (1) Lead: 67 lbs/yr,
- (2) Particulate Matter: 4.26 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

- (a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.
- (b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

- (a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.
- (b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:
 - (1) The test methods that were used to determine compliance;
 - (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

**SECTION D. Source Level Requirements**

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for

**SECTION D. Source Level Requirements****violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**

SECTION D. Source Level Requirements

What are the standards and compliance requirements for process vents?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

(1) A description of the device;

(2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

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

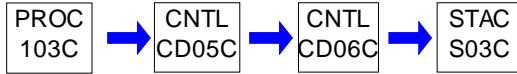
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 103C

Source Name: MILL 3 (LITHARGE MILL)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 103A, Source ID 103B, and Source ID 103C, in aggregate, as follows:

- (1) Lead: 67 lbs/yr,
- (2) Particulate Matter: 4.26 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

- (a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.
- (b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

- (a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.
- (b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:
 - (1) The test methods that were used to determine compliance;
 - (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

**SECTION D. Source Level Requirements**

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for

**SECTION D. Source Level Requirements****violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

SECTION D. Source Level Requirements**# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).
- (b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.
- (c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:
 - (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
 - (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
 - (3) The system will hold a test pressure.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**

SECTION D. Source Level Requirements

What are the standards and compliance requirements for process vents?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

(1) A description of the device;

(2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

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

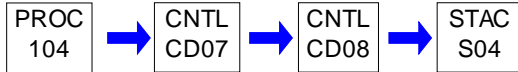
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 104

Source Name: PACKING AND WEIGHING STATIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the following pollutant emissions for this source:

- (1) Lead: 96.4 lbs/yr,
- (2) Particulate Matter: 4.98 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

- (a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.
- (b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

- (a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.
- (b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:
 - (1) The test methods that were used to determine compliance;
 - (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

**SECTION D. Source Level Requirements**

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for

SECTION D. Source Level Requirements**violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

SECTION D. Source Level Requirements**# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain pressure drop ranges across the controls associated with this source as follows:

- (a) Pressure drop range across the baghouse (CD07) of 0.1 to 4.0 inches of water gauge and
- (b) Pressure drop range across the HEPA filter (CD08) of 0.4 to 2.0 inches of water gauge.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

**SECTION D. Source Level Requirements****# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

(1) A description of the device;

(2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.**# 020 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

There are a total of three (3) packing stations.

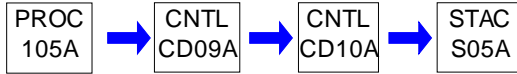
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 105A

Source Name: BULK STORAGE AREA (HM)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 105A, Source ID 105B, and Source ID 105C, in aggregate, as follows:

- (1) Lead: 0.42 tpy,
- (2) Particulate Matter: 0.45 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

- (a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.
- (b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

- (a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.
- (b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:
 - (1) The test methods that were used to determine compliance;
 - (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

**SECTION D. Source Level Requirements**

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for

**SECTION D. Source Level Requirements****violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).
- (b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.
- (c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:
 - (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
 - (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
 - (3) The system will hold a test pressure.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**

**SECTION D. Source Level Requirements****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

(1) A description of the device;

(2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Bulk Storage Area for High Metallic Lead contains two (2) bulk storage tanks, one (1) truck loading operation, various conveying equipment, and includes a baghouse and HEPA filter system.

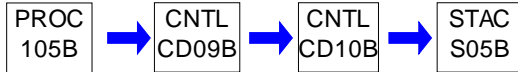
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 105B

Source Name: BULK STORAGE AREA (RED LEAD)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 105A, Source ID 105B, and Source ID 105C, in aggregate, as follows:

- (1) Lead: 0.42 tpy,
- (2) Particulate Matter: 0.45 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

- (a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.
- (b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

- (a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.
- (b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:
 - (1) The test methods that were used to determine compliance;
 - (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

**SECTION D. Source Level Requirements**

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for

**SECTION D. Source Level Requirements****violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).
- (b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.
- (c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:
 - (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
 - (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
 - (3) The system will hold a test pressure.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**

SECTION D. Source Level Requirements**What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

(1) A description of the device;

(2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Red Lead Bulk Storage Area includes two (2) bulk storage tanks, one (1) truck loading operation, various conveying equipment, and includes a baghouse and HEPA filter system.

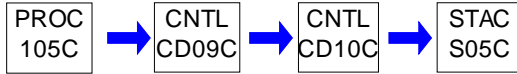
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 105C

Source Name: BULK STORAGE AREA (LITHARGE)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from a source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

(a) The permittee shall limit the pollutant emissions from Source ID 105A, Source ID 105B, and Source ID 105C, in aggregate, as follows:

- (1) Lead: 0.42 tpy,
- (2) Particulate Matter: 0.45 tpy.

(b) The emission limits of (a) above are based on a 12-month rolling basis.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

[Note: Under 40 CFR Part 63 Subpart VVVVV, the baghouse associated with this source is defined as a recovery device. Pursuant to 40 CFR § 63.11502: Recovery device means an individual unit of equipment capable of and normally used for the purpose of recovering organic chemicals or metal-containing chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include absorbers, carbon adsorbers, condensers, oil-water separators or organic-water separators, or organic removal devices such as decanters, strippers, or thin-film evaporation units.]

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

- (a) The permittee shall monitor the pressure drop on each baghouse and HEPA filter associated with this source, on a daily basis.
- (b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure drops for each baghouse and HEPA filter associated with this source, when in operation.

007 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep records of the following for each baghouse and HEPA filter associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

- (a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.
- (b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:
 - (1) The test methods that were used to determine compliance;
 - (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

**SECTION D. Source Level Requirements**

(4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

(1) "This facility complies with the management practices in 40 CFR § 63.11495."

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for

SECTION D. Source Level Requirements**violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall maintain and operate all sources and associated air pollution control and/or recovery devices in accordance with manufacturer's specifications and/or the facility's work practice standards and good air pollution practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control and/or recovery device associated with this source.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The emissions of particulate matter from this source shall be controlled by a baghouse and a high efficiency particulate filter (HEPA), in series.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the baghouse and HEPA Filter associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range across the baghouse and the HEPA filter associated with this source of 0.1 to 5.0 inches of water gauge.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).
- (b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.
- (c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:
 - (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
 - (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
 - (3) The system will hold a test pressure.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources**

**SECTION D. Source Level Requirements****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

(1) A description of the device;

(2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);

(3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

(4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and

(5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Litharge Bulk Storage Area contains two (2) bulk storage tanks, one (1) truck loading operation, various conveying equipment, and includes a baghouse and HEPA filter system.

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

SECTION D. Source Level Requirements

Source ID: 106

Source Name: POLY-DISPERSION PROCESS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot, according to 25 Pa. Code § 127.12(a)(5).

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the HEPA filter system, according to 40 CFR § 63.11496(f)(3) and Table 4.

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.**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

(a) The permittee shall monitor the pressure drop across the cartridge filter (CD11) associated with this source on a daily basis, when in operation.

(b) The permittee shall monitor the pressure drop across each HEPA filter (CD12A and CD12B) associated with this source on a daily basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall keep weekly records of the following for each filtering system associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

006 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

(a) The permittee shall maintain daily records of the pressure drop across the cartridge filter (CD11) associated with this source, when in operation.

(b) The permittee shall maintain daily records of the pressure drop across each HEPA filter (CD12A and CD12B) associated with this source, when in operation.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.9(h)]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

- (1) The test methods that were used to determine compliance;
- (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
- (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;
- (4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;
- (5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and
- (6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

- (1) "This facility complies with the management practices in 40 CFR § 63.11495."

**SECTION D. Source Level Requirements**

(2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs, according to 40 CFR § 63.11501(c).

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds or tons per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced, as applicable.

(e) Records of the hours of operation per month for this source.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]

SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources

What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

**SECTION D. Source Level Requirements**

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1) and 40 CFR § 63.11501(c).

V. REPORTING REQUIREMENTS.**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11501]****SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the notification, recordkeeping, and reporting requirements, and how may I assert an affirmative defense for violation of emission standards during malfunction?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall submit semiannual compliance reports that contain the following information, according to 40 CFR § 63.11501(d). Reports are required only for semiannual periods during which you experienced any of the events described.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall operate and maintain this source and the associated filtering systems according to the manufacturer's specifications and good air pollution control practices.

014 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the particulate matter control and/or recovery device(s) associated with this source, including, but not limited to the following:

(a) The permittee shall keep spare filters on hand for replacement.

(b) The permittee shall replace filters as needed.

(c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

015 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall direct particulate matter emissions from this source to the cartridge filter (CD11), followed by two (2) HEPA filters (CD12A and CD12B).

016 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

SECTION D. Source Level Requirements

(a) The permittee shall maintain a pressure drop range of 1.0 to 4.0 inches water gauge across the Poly-Dispersion Cartridge Filter (CD11).

(b) The permittee shall maintain a pressure drop range of 0.4 to 2.0 inches water gauge across each of the HEPA filters (CD12A and CD12B) associated with this source.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11495]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the management practices and other requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times it is in metal HAP service, except for manual operations that require access, such as material addition and removal, inspection, sampling, and cleaning according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment for each CMPU in metal HAP service at least quarterly to demonstrate compliance with these requirements of (a) above and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such method constitutes a leak unless you demonstrate that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak identified during an inspection conducted are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, you must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11496]**SUBPART VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources****What are the standards and compliance requirements for process vents?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.

SECTION D. Source Level Requirements

- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
 - (5) Operating parameter limits based on monitoring data established in the engineering assessment.
- (b) The permittee shall maintain the monitoring plan on-site and be available on request.
- (c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 108

Source Name: BARTON PROCESS NO. 4

Source Capacity/Throughput:

N/A

LEAD OXIDE

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.12(a)(5)]

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of filterable particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot, according to 25 Pa. Code § 127.12(a)(5).

[Compliance with this condition is met by routing emissions to the baghouse and HEPA filter associated with this source.]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)]

The permittee shall limit post-control lead emissions from this source to 7.43 lbs/yr, based on a 12-month rolling sum.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall burn natural gas only in the Barton Melt Kettle associated with this source.

Control Device Efficiencies Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3) and Table 4.]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the baghouse and HEPA filter, according to 40 CFR § 63.11496(f)(3) and Table 4.

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements**III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate monthly post-control lead emissions, including 12-month rolling sums, based on maximum processing rate (lead oxide per hour) of the unit or source, actual hours of operation per month, and the most recent emission factor (pounds of particulate matter or pounds of lead per ton of lead oxide produced) as determined by the most recent source test or as determined by an alternative method approved by the Department.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

(a) The permittee shall continuously monitor the pressure differential of the associated control device(s) using a photohelic or magnehelic gauge, when the source is in operation.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c) and 40 CFR § 63.11495(a)(5).]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs.

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced.

(e) Records of the hours of operation per month for this source.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1).

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

**SECTION D. Source Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

The permittee shall keep records of the following for each control device associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.9(h) and 40 CFR § 63.11501(b).]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

- (1) The test methods that were used to determine compliance;
- (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
- (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;
- (4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;
- (5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and
- (6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

- (1) "This facility complies with the management practices in 40 CFR § 63.11495."
- (2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain monthly records documenting the type of fuel consumed by the Barton Melt Kettle associated with this source.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure differential across the associated control device(s) associated with this source, when in operation.

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(d).]

The permittee shall submit semiannual compliance reports that contain the following information. Reports are required only for semiannual periods during which any of the events described are experienced.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall operate and maintain this source and the associated control systems according to the manufacturer's specifications and/or the facility's work practice standards and good air pollution control practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the particulate matter control device(s) associated with this source, including, but not limited to the following:

(a) The permittee shall keep spare filters on hand for replacement.

(b) The permittee shall replace filters as needed.

(c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

SECTION D. Source Level Requirements

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall operate this source only when the associated control devices are operating properly.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11495.]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times when the vessel is in metal HAP (lead) service, except for manual operations that require access, such as material addition, removal, inspection, sampling, and cleaning, according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment at least quarterly to demonstrate compliance with these requirements and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. The inspection must include direct and proximal (thorough) inspection of all areas of potential leak within the CMPU. Indications of a leak identified using such method constitutes a leak unless the permittee demonstrates that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, the permittee must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in organic HAP service or metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

SECTION D. Source Level Requirements

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

(a) The permittee shall maintain a pressure drop range of 0.1 - 8.0 inches water gauge for the baghouse (CD25 Barton 4 Baghouse) associated with this source.

(b) The permittee shall maintain a pressure drop range of 0.1 - 5.0 inches water gauge for the HEPA filter (CD16 Barton 4 HEPA Filter) associated with this source.

VII. ADDITIONAL REQUIREMENTS.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Barton Process No. 4 is identified as Source ID 108, which includes Melt Kettle No. 4, Barton Reactor No. 4, and Product Recovery Cyclone No. 4. The Melt Kettle contains two (2) indirect 375,000 BTU/hr burners (750,000 BTU/hr total), fired by natural gas (FML01). The combustion products are vented to atmosphere through an individual stack (Stack 11). Source ID 108 is controlled by a baghouse (CD25) in series with a HEPA filter (CD16), which exhausts to Stack 09.

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

SECTION D. Source Level Requirements

Source ID: 109

Source Name: BARTON PROCESS NO. 5

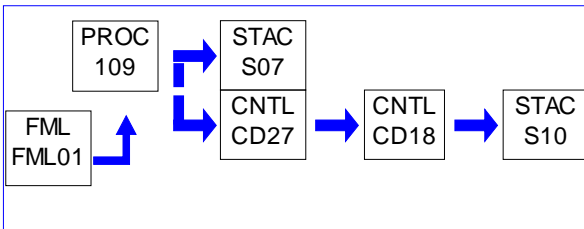
Source Capacity/Throughput:

N/A

LEAD OXIDE

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.12(a)(5)]

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of filterable particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot, according to 25 Pa. Code § 127.12(a)(5).

[Compliance with this condition is met by routing emissions to the baghouse and HEPA filter associated with this source.]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)]

The permittee shall limit post-control lead emissions from this source to 7.43 lbs/yr, based on a 12-month rolling sum.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall burn natural gas only in the Barton Melt Kettle associated with this source.

Control Device Efficiencies Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3) and Table 4.]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the baghouse and HEPA filter, according to 40 CFR § 63.11496(f)(3) and Table 4.

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements**III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate monthly post-control lead emissions, including 12-month rolling sums, based on maximum processing rate (lead oxide per hour) of the unit or source, actual hours of operation per month, and the most recent emission factor (pounds of particulate matter or pounds of lead per ton of lead oxide produced) as determined by the most recent source test or as determined by an alternative method approved by the Department.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

(a) The permittee shall continuously monitor the pressure differential of the associated control device(s) using a photohelic or magnehelic gauge, when the source is in operation.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c) and 40 CFR § 63.11495(a)(5).]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs.

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced.

(e) Records of the hours of operation per month for this source.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1).

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

**SECTION D. Source Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

The permittee shall keep records of the following for each control device associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.9(h) and 40 CFR § 63.11501(b).]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

- (1) The test methods that were used to determine compliance;
- (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
- (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;
- (4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;
- (5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and
- (6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

- (1) "This facility complies with the management practices in 40 CFR § 63.11495."
- (2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain monthly records documenting the type of fuel consumed by the Barton Melt Kettle associated with this source.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure differential across the associated control device(s) associated with this source, when in operation.

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(d).]

The permittee shall submit semiannual compliance reports that contain the following information. Reports are required only for semiannual periods during which any of the events described are experienced.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall operate and maintain this source and the associated control systems according to the manufacturer's specifications and/or the facility's work practice standards and good air pollution control practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the particulate matter control device(s) associated with this source, including, but not limited to the following:

(a) The permittee shall keep spare filters on hand for replacement.

(b) The permittee shall replace filters as needed.

(c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

SECTION D. Source Level Requirements

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall operate this source only when the associated control devices are operating properly.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11495.]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times when the vessel is in metal HAP (lead) service, except for manual operations that require access, such as material addition, removal, inspection, sampling, and cleaning, according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment at least quarterly to demonstrate compliance with these requirements and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. The inspection must include direct and proximal (thorough) inspection of all areas of potential leak within the CMPU. Indications of a leak identified using such method constitutes a leak unless the permittee demonstrates that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, the permittee must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in organic HAP service or metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

SECTION D. Source Level Requirements

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

(a) The permittee shall maintain a pressure drop range of 0.1 - 8.0 inches water gauge for the baghouse (CD27 Barton 5 Baghouse) associated with this source.

(b) The permittee shall maintain a pressure drop range of 0.1 - 5.0 inches water gauge for the HEPA filter (CD18 Barton 5 HEPA Filter) associated with this source.

VII. ADDITIONAL REQUIREMENTS.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Barton Process No. 5 is identified as Source ID 109, which includes Melt Kettle No. 5, Barton Reactor No. 5, and Product Recovery Cyclone No. 5. The Melt Kettle contains two (2) indirect 375,000 BTU/hr burners (750,000 BTU/hr total), fired by natural gas (FML01). The combustion products are vented to atmosphere through an individual stack (Stack 07). Source ID 109 is controlled by a baghouse (CD27) in series with a HEPA filter (CD18), which exhausts to Stack 10 (shared with Barton Process No. 6, Mill, and Bulk Truck Loading).

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

SECTION D. Source Level Requirements

Source ID: 110

Source Name: BARTON PROCESS NO. 6

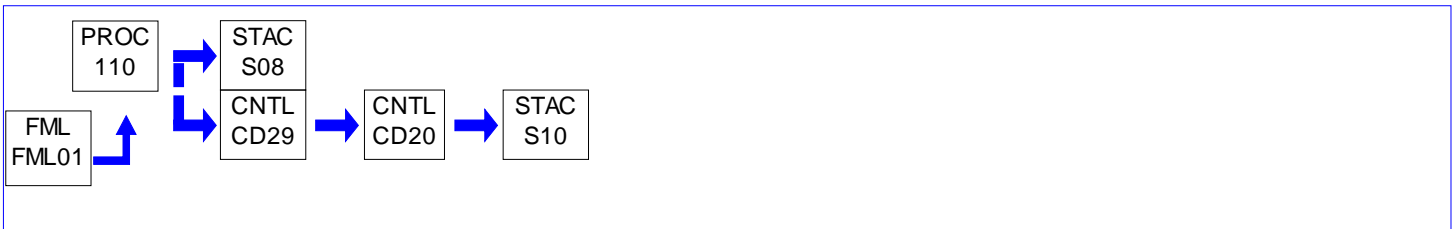
Source Capacity/Throughput:

N/A

LEAD OXIDE

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.12(a)(5)]

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of filterable particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot, according to 25 Pa. Code § 127.12(a)(5).

[Compliance with this condition is met by routing emissions to the baghouse and HEPA filter associated with this source.]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)]

The permittee shall limit post-control lead emissions from this source to 7.43 lbs/yr, based on a 12-month rolling sum.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall burn natural gas only in the Barton Melt Kettle associated with this source.

Control Device Efficiencies Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3) and Table 4.]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the baghouse and HEPA filter, according to 40 CFR § 63.11496(f)(3) and Table 4.

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate monthly post-control lead emissions, including 12-month rolling sums, based on maximum processing rate (lead oxide per hour) of the unit or source, actual hours of operation per month, and the most recent emission factor (pounds of particulate matter or pounds of lead per ton of lead oxide produced) as determined by the most recent source test or as determined by an alternative method approved by the Department.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

(a) The permittee shall continuously monitor the pressure differential of the associated control device(s) using a photohelic or magnehelic gauge, when the source is in operation.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c) and 40 CFR § 63.11495(a)(5).]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs.

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced.

(e) Records of the hours of operation per month for this source.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1).

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

**SECTION D. Source Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

The permittee shall keep records of the following for each control device associated with this source:

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.9(h) and 40 CFR § 63.11501(b).]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

- (1) The test methods that were used to determine compliance;
- (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
- (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;
- (4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;
- (5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and
- (6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

- (1) "This facility complies with the management practices in 40 CFR § 63.11495."
- (2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain monthly records documenting the type of fuel consumed by the Barton Melt Kettle associated with this source.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain daily records of the pressure differential across the associated control device(s) associated with this source, when in operation.

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(d).]

The permittee shall submit semiannual compliance reports that contain the following information. Reports are required only for semiannual periods during which any of the events described are experienced.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall operate and maintain this source and the associated control systems according to the manufacturer's specifications and/or the facility's work practice standards and good air pollution control practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall implement an inspection and maintenance plan for the particulate matter control device(s) associated with this source, including, but not limited to the following:

(a) The permittee shall keep spare filters on hand for replacement.

(b) The permittee shall replace filters as needed.

(c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall operate this source only when the associated control devices are operating properly.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11495.]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times when the vessel is in metal HAP (lead) service, except for manual operations that require access, such as material addition, removal, inspection, sampling, and cleaning, according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment at least quarterly to demonstrate compliance with these requirements and to determine that the process vessels and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. The inspection must include direct and proximal (thorough) inspection of all areas of potential leak within the CMPU. Indications of a leak identified using such method constitutes a leak unless the permittee demonstrates that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, the permittee must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in organic HAP service or metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

SECTION D. Source Level Requirements

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

(a) The permittee shall maintain a pressure drop range of 0.1 - 8.0 inches water gauge for the baghouse (CD29 Barton 6 Baghouse) associated with this source.

(b) The permittee shall maintain a pressure drop range of 0.1 - 5.0 inches water gauge for the HEPA filter (CD20 Barton 6 HEPA Filter) associated with this source.

VII. ADDITIONAL REQUIREMENTS.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Barton Process No. 6 is identified as Source ID 110, which includes Melt Kettle No. 6, Barton Reactor No. 6, and Product Recovery Cyclone No. 6. The Melt Kettle contains two (2) indirect 375,000 BTU/hr burners (750,000 BTU/hr total), fired by natural gas (FML01). The combustion products are vented to atmosphere through an individual stack (Stack 08). Source ID 110 is controlled by a baghouse (CD29) in series with a HEPA filter (CD20), which exhausts to Stack 10 (shared with Barton Process No. 5, Mill, and Bulk Truck Loading).

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

**SECTION D. Source Level Requirements**

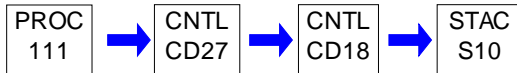
Source ID: 111

Source Name: BARTON NO. 5 AND BARTON NO. 6 MILLING OPERATIONS

Source Capacity/Throughput:

N/A

LEAD OXIDE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.12(a)(5)]

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of filterable particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot, according to 25 Pa. Code § 127.12(a)(5).

[Compliance with this condition is met by routing emissions to the baghouse and HEPA filter associated with this source.]

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)]

The permittee shall limit post-control lead emissions from this source to 5.94 lbs/yr, based on a 12-month rolling sum.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3) and Table 4.]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the baghouse and HEPA filter, according to 40 CFR § 63.11496(f)(3) and Table 4.

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

The permittee shall calculate monthly post-control lead emissions, including 12-month rolling sums, based on maximum processing rate (lead oxide per hour) of the unit or source, actual hours of operation per month, and the most recent emission factor (pounds of particulate matter or pounds of lead per ton of lead oxide produced) as determined by the most recent source test or as determined by an alternative method approved by the Department.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

**SECTION D. Source Level Requirements**

(a) The permittee shall continuously monitor the pressure differential of the associated control device(s) using a photohelic or magnehelic gauge, when the source is in operation.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c) and 40 CFR § 63.11495(a)(5).]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs.

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced.

(e) Records of the hours of operation per month for this source.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1).

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

The permittee shall keep records of the following for each control device associated with this source:

SECTION D. Source Level Requirements

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.9(h) and 40 CFR § 63.11501(b).]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

- (1) The test methods that were used to determine compliance;
- (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
- (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;
- (4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;
- (5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and
- (6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

- (1) "This facility complies with the management practices in 40 CFR § 63.11495."
- (2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart WWWW.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart WWWW.]

The permittee shall maintain daily records of the pressure differential across the associated control device(s) associated with this source, when in operation.

SECTION D. Source Level Requirements**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(d).]

The permittee shall submit semiannual compliance reports that contain the following information. Reports are required only for semiannual periods during which any of the events described are experienced.

- (a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart WWWW.
- (b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.
- (c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall operate and maintain this source and the associated control systems according to the manufacturer's specifications and/or the facility's work practice standards and good air pollution control practices.
- (b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart WWWW.]

The permittee shall implement an inspection and maintenance plan for the particulate matter control device(s) associated with this source, including, but not limited to the following:

- (a) The permittee shall keep spare filters on hand for replacement.
- (b) The permittee shall replace filters as needed.
- (c) The permittee shall operate and calibrate each pressure drop guage as specified by the manufacturer.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart WWWW.]

The permittee shall operate this source only when the associated control devices are operating properly.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11495.]

- (a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times when the vessel is in metal HAP (lead) service, except for manual operations that require access, such as material addition, removal, inspection, sampling, and cleaning, according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).
- (b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment at least quarterly to demonstrate compliance with these requirements and to determine that the process vessels

SECTION D. Source Level Requirements

and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. The inspection must include direct and proximal (thorough) inspection of all areas of potential leak within the CMPU. Indications of a leak identified using such method constitutes a leak unless the permittee demonstrates that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, the permittee must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in organic HAP service or metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

(a) The permittee shall maintain a pressure drop range of 0.1 - 8.0 inches water gauge for the baghouse (CD27 Barton 5 Baghouse) associated with this source.

(b) The permittee shall maintain a pressure drop range of 0.1 - 5.0 inches water gauge for the HEPA filter (CD18 Barton 5 HEPA Filter) associated with this source.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

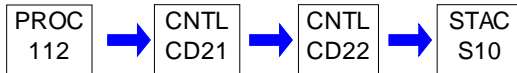
Source ID: 112

Source Name: TRUCK LOADING OPERATIONS

Source Capacity/Throughput:

N/A

LEAD OXIDE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.12(a)(5)]

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of filterable particulate matter in the effluent gas exceeds 0.02 grain per dry standard cubic foot, according to 25 Pa. Code § 127.12(a)(5).

[Compliance with this condition is met by routing emissions to the baghouse and HEPA filter associated with this source.]

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)]

The permittee shall limit post-control lead emissions from this source to 22.28 lbs/yr, based on a 12-month rolling sum.

[Compliance with this permit condition demonstrates compliance with the minimum percent reduction in emissions (95%) as required in Table 4 of 40 CFR Part 63 Subpart VVVVV.]

[Compliance with this permit condition is met through the monitoring required under MACT Part 6V.]

Control Device Efficiencies Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3) and Table 4.]

The permittee shall reduce collective uncontrolled emissions of total metal HAP emissions by greater than or equal to 95% by weight by routing emissions to the baghouse and HEPA filter, according to 40 CFR § 63.11496(f)(3) and Table 4.

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

The permittee shall calculate monthly post-control lead emissions, including 12-month rolling sums, based on maximum processing rate (lead oxide per hour) of the unit or source, actual hours of operation per month, and the most recent emission factor (pounds of particulate matter or pounds of lead per ton of lead oxide produced) as determined by the most recent source test or as determined by an alternative method approved by the Department.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

**SECTION D. Source Level Requirements**

(a) The permittee shall continuously monitor the pressure differential of the associated control device(s) using a photohelic or magnehelic gauge, when the source is in operation.

(b) The permittee shall monitor the cleaning cycle frequency on a weekly basis by a trained maintenance personnel.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c) and 40 CFR § 63.11495(a)(5).]

The permittee shall maintain the following records for this source:

(a) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in 40 CFR § 63.11495(a)(5) and in associated work practice requirements for this source, including dates and results of inspections and repairs.

(b) Records of post-control metal HAP (Pb) emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(c) Records of post-control particulate matter emission calculations, in pounds per month, including pounds per year, based on a 12-month rolling sum.

(d) Records of the emission factor currently being used in emission calculations from the most recent source test or as determined by a Department approved alternative method, in pounds of particulate matter or pounds of lead per ton of lead oxide produced.

(e) Records of the hours of operation per month for this source.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall maintain files of all information required by 40 CFR Part 63 Subpart VVVV for at least 5 years following the date of each occurrence, according to the requirements in 40 CFR § 63.10(b)(1).

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(c).]

The permittee shall keep records of a site-specific monitoring plan, as specified in 40 CFR § 63.11496(f)(3)(i), according to 40 CFR § 63.11501(c)(3)(i). The site-specific monitoring plan requirements are described further in work practice requirements for this source.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

The permittee shall keep records of the monitoring results (as derived from the monitoring plan) to demonstrate continuous compliance with the particulate matter and lead emission limits for this source, according to 40 CFR § 63.11496(f)(3).

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

The permittee shall keep records of the following for each control device associated with this source:

SECTION D. Source Level Requirements

- (a) cleaning cycle frequency,
- (b) inspections performed,
- (c) maintenance performed (including when filters are replaced),
- (d) any deficiencies, and
- (e) any corrective actions taken.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.9(h) and 40 CFR § 63.11501(b).]

(a) The permittee shall maintain a record of the Notification of Compliance Status (NOCS) signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard.

(b) According to 40 CFR § 63.9(h), the NOCS must include the following as applicable:

- (1) The test methods that were used to determine compliance;
- (2) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
- (3) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;
- (4) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;
- (5) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and
- (6) A statement by the owner or operator of the affected new source as to whether the source has complied with the relevant standard or other requirements.

(c) According to 40 CFR § 63.11501(b), the NOCS must include the following additional information, as applicable:

- (1) "This facility complies with the management practices in 40 CFR § 63.11495."
- (2) "This facility complies with the requirements in 40 CFR § 63.11496 for HAP emissions from process vents."

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition also derived from 40 CFR Part 63 Subpart WWWW.]

The permittee shall maintain records of the engineering assessment performed for this source. The report shall include all data, assumptions, and procedures used in the engineering assessment.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart WWWW.]

The permittee shall maintain daily records of the pressure differential across the associated control device(s) associated with this source, when in operation.

SECTION D. Source Level Requirements**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11501(d).]

The permittee shall submit semiannual compliance reports that contain the following information. Reports are required only for semiannual periods during which any of the events described are experienced.

(a) Deviations: The permittee shall clearly identify any deviation from the requirements of 40 CFR Part 63 Subpart VVVV.

(b) Delay of leak repair: The permittee shall provide the following information for each delay of leak repair beyond 15 days for any process equipment or storage tank: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(c) Process change: The permittee shall report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in 40 CFR § 63.11501(b) Notification of Compliance Status.

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall operate and maintain this source and the associated control systems according to the manufacturer's specifications and/or the facility's work practice standards and good air pollution control practices.

(b) The permittee shall maintain on site copies of manufacturer specifications and/or the facility's work practice standards for this source and each control or recovery device associated with this source.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

The permittee shall implement an inspection and maintenance plan for the particulate matter control device(s) associated with this source, including, but not limited to the following:

(a) The permittee shall keep spare filters on hand for replacement.

(b) The permittee shall replace filters as needed.

(c) The permittee shall operate and calibrate each pressure drop gauge as specified by the manufacturer.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVV.]

The permittee shall operate this source only when the associated control devices are operating properly.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11495.]

(a) The permittee shall equip each process vessel with a cover or lid that must be closed at all times when the vessel is in metal HAP (lead) service, except for manual operations that require access, such as material addition, removal, inspection, sampling, and cleaning, according to 40 CFR § 63.11495(a)(1). This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(b) In accordance with 40 CFR § 63.11495(a)(3)(i)-(v): The permittee shall conduct inspections of process vessels and equipment at least quarterly to demonstrate compliance with these requirements and to determine that the process vessels

**SECTION D. Source Level Requirements**

and equipment are sound and free of leaks. For these inspections, detection methods incorporating sight, sound, or smell are acceptable. The inspection must include direct and proximal (thorough) inspection of all areas of potential leak within the CMPU. Indications of a leak identified using such method constitutes a leak unless the permittee demonstrates that the indications of a leak are due to a condition other than loss of HAP. Alternatively, Test Method 21 of 40 CFR Part 60, Appendix A-7, with a leak definition of 500 parts per million by volume (ppmv), may be used for detection of leaks or to determine if the indications of a leak are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, the permittee must still perform the inspection and demonstration in the next quarterly monitoring period. Inspections must be conducted while the subject CMPU is operating. No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in organic HAP service or metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(c) The permittee shall repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered repaired if one of the following conditions is met:

- (1) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (2) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (3) The system will hold a test pressure.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11496(f)(3).]

(a) According to 40 CFR § 63.11496(f)(3)(i)(A)-(E), the site-specific monitoring plan shall contain the following information:

- (1) A description of the device;
- (2) Results of the engineering assessment conducted in accordance with 40 CFR § 63.11496(f)(3)(ii) verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart (95%);
- (3) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system.
- (4) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
- (5) Operating parameter limits based on monitoring data established in the engineering assessment.

(b) The permittee shall maintain the monitoring plan on-site and be available on request.

(c) The permittee shall operate and maintain the associated control device(s) for this source according to a site-specific monitoring plan at all times.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart VVVVV.]

The permittee shall maintain a pressure drop range of 0.1 - 5.0 inches water gauge for the HEPA filter (CD22 Tank HEPA Filter) associated with this source.

VII. ADDITIONAL REQUIREMENTS.**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

SECTION D. Source Level Requirements

Truck Loading Operations includes a truck loading station and a 1,718 cubic foot bulk production storage tank equipped with a bin vent (CD21) and HEPA filter (CD22) in series.

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

SECTION D. Source Level Requirements

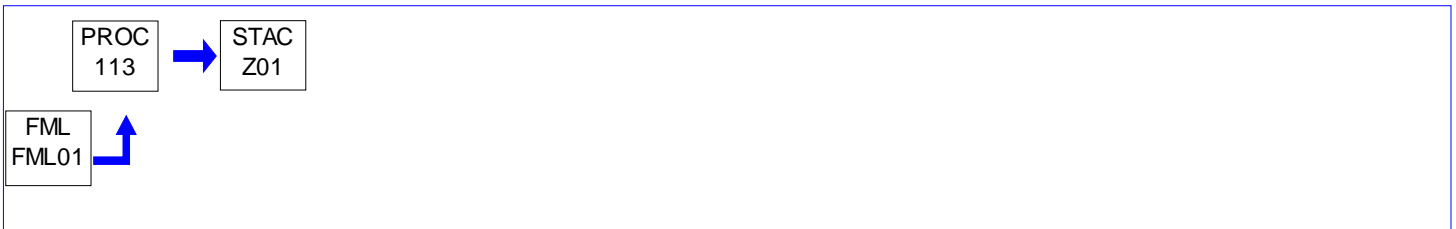
Source ID: 113

Source Name: STATIONARY SPARK IGNITION INTERNAL COMBUSTION ENGINE

Source Capacity/Throughput:

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the aggregate NOx emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall comply with the emission standards in 40 CFR § 60.4231(a) for this stationary spark ignition internal combustion engine, according to 40 CFR § 60.4233(a) and 40 CFR § 1054.105, Table 1 for Class II Engines, as follows:

HC + NOx = 8.0 grams per kilowatt-hour

CO = 610 grams per kilowatt-hour.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall fire natural gas only in this emergency stationary internal combustion engine.

Operation Hours Restriction(s).

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

(a) The permittee may operate the emergency stationary internal combustion engine (ICE) for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.

(b) There is no time limit on the use of emergency stationary internal combustion engines in emergency situations.

(c) The permittee 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

**SECTION D. Source Level Requirements**

local standards require maintenance and testing of emergency ICE beyond 100 hours per year.

(d) Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.

(e) The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(f) Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR § 60.4243(d), is prohibited.

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.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

The permittee shall monitor the hours of operation of this engine by using a non-resettable hour meter, according to 40 CFR § 60.4237(c).

IV. RECORDKEEPING REQUIREMENTS.

**# 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt generators on site (as applicable), including ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums, to demonstrate compliance with the NOx emission limits applicable to this source.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

(a) The permittee shall keep records of conducted maintenance to demonstrate with manufacturer's specifications and recommendations, according to 40 CFR § 60.4243(a)(1) and 40 CFR § 60.4245(a)(2).

(b) The permittee shall keep records of all notifications submitted to comply with this 40 CFR Part 60 Subpart JJJJ, and all documentation supporting any notification, according to 40 CFR § 60.4245(a)(1).

(c) The permittee shall keep records of documentation from the manufacturer that the engine is certified to meet the emission standards of 40 CFR Part 1054, according to 40 CFR § 63.4231(a)(4) and 40 CFR § 60.4245(a)(3).

(d) The permittee shall 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, according to 40 CFR § 60.4245(b).

**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).

VI. WORK PRACTICE REQUIREMENTS.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

- (a) The permittee shall comply with the requirements of 40 CFR § 60.4233(a) by maintaining and operating only the engine certified to the emissions standards of 40 CFR Part 1054 applicable to the same engine type (nonhandheld), engine class (Class II) and maximum engine power (10 kW), according to 40 CFR § 60.4243(a).
- (b) The permittee shall operate and maintain the certified stationary SI internal combustion engine according to the manufacturer's emission-related written instructions, according to 40 CFR § 60.4243(a)(1).
- (c) If the permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance.

VII. ADDITIONAL REQUIREMENTS.

**# 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

Source ID 113 contains one (1) spark ignition, 10 kW emergency use, stationary internal combustion engine, fired by natural gas (Generac Model No. 0059090, Serial No. 6352400). The engine was manufactured on May 11, 2011 and installed in July 2011. The engine has two (2) cylinders and a displacement of 530 cc (Class II engine).

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Descriptor		
101A	BARTON PROCESS UNIT 1		
Emission Limit		Pollutant	
5.640	Tons/Yr	aggregate emissions from 101A, 101B, 101C	Lead
1.250	Tons/Yr	aggregate emissions from 101A, 101B, 101C	NOX
0.040	gr/DRY FT3		PM10
6.840	Tons/Yr	aggregate emissions from 101A, 101B, 101C	PM10
101B	BARTON PROCESS UNIT 2		
Emission Limit		Pollutant	
5.640	Tons/Yr	aggregate emissions from 101A, 101B, 101C	Lead
1.250	Tons/Yr	aggregate emissions from 101A, 101B, 101C	NOX
0.040	gr/DRY FT3		PM10
6.840	Tons/Yr	aggregate emissions from 101A, 101B, 101C	PM10
101C	BARTON PROCESS UNIT 3		
Emission Limit		Pollutant	
5.640	Tons/Yr	aggregate emissions from 101A, 101B, 101C	Lead
1.250	Tons/Yr	aggregate emissions from 101A, 101B, 101C	NOX
0.040	gr/DRY FT3		PM10
6.840	Tons/Yr	aggregate emissions from 101A, 101B, 101C	PM10
102	CALCINING		
Emission Limit		Pollutant	
0.360	Tons/Yr		Lead
3.200	Tons/Yr		NOX
0.040	gr/DRY FT3		PM10
2.190	Tons/Yr		PM10
103A	MILL 1 (HMMILL)		
Emission Limit		Pollutant	
67.000	Lbs/Yr	Aggregate Emissions from Source ID 103A, 103B, 103C	Lead
0.040	gr/DRY FT3		PM10
4.260	Tons/Yr	Aggregate Emissions from Source ID 103A, 103B, 103C	PM10
103B	MILL 2 (RED LEAD MILL)		
Emission Limit		Pollutant	
67.000	Lbs/Yr	Aggregate Emissions from Source ID 103A, 103B, 103C	Lead
0.040	gr/DRY FT3		PM10
4.260	Tons/Yr	Aggregate Emissions from Source ID 103A, 103B, 103C	PM10
103C	MILL 3 (LITHARGE MILL)		
Emission Limit		Pollutant	
67.000	Lbs/Yr	Aggregate Emissions from Source ID 103A, 103B, 103C	Lead

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor		
0.040	gr/DRY FT3		PM10
4.260	Tons/Yr	Aggregate Emissions from Source ID 103A, 103B, 103C	PM10
104	PACKING AND WEIGHING STATIONS		
Emission Limit		Pollutant	
96.400	Lbs/Yr		Lead
0.040	gr/DRY FT3		PM10
4.980	Tons/Yr		PM10
105A	BULK STORAGE AREA (HM)		
Emission Limit		Pollutant	
0.420	Tons/Yr	aggregate emissions from 105A, 105B, and 105C	Lead
0.040	gr/DRY FT3		PM10
0.450	Tons/Yr	aggregate emissions from 105A, 105B, and 105C	PM10
105B	BULK STORAGE AREA (RED LEAD)		
Emission Limit		Pollutant	
0.420	Tons/Yr	aggregate emissions from 105A, 105B, and 105C	Lead
0.040	gr/DRY FT3		PM10
0.450	Tons/Yr	aggregate emissions from 105A, 105B, and 105C	PM10
105C	BULK STORAGE AREA (LITHARGE)		
Emission Limit		Pollutant	
0.420	Tons/Yr	aggregate emissions from 105A, 105B, and 105C	Lead
0.040	gr/DRY FT3		PM10
0.450	Tons/Yr	aggregate emissions from 105A, 105B, and 105C	PM10
106	POLY-DISPERSION PROCESS		
Emission Limit		Pollutant	
0.020	gr/DRY FT3		PM10
108	BARTON PROCESS NO. 4		
Emission Limit		Pollutant	
7.430	Lbs/Yr	based on a 12-month rolling sum	Lead
0.020	gr/DRY FT3		PM10
109	BARTON PROCESS NO. 5		
Emission Limit		Pollutant	
7.430	Lbs/Yr	based on a 12-month rolling sum	Lead
0.020	gr/DRY FT3		PM10

SECTION F. Emission Restriction Summary.

Source Id	Source Description												
110	BARTON PROCESS NO. 6												
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>7.430 Lbs/Yr based on a 12-month rolling sum</td> <td>Lead</td> </tr> <tr> <td>0.020 gr/DRY FT3</td> <td>PM10</td> </tr> </tbody> </table>		Emission Limit	Pollutant	7.430 Lbs/Yr based on a 12-month rolling sum	Lead	0.020 gr/DRY FT3	PM10						
Emission Limit	Pollutant												
7.430 Lbs/Yr based on a 12-month rolling sum	Lead												
0.020 gr/DRY FT3	PM10												
111	BARTON NO. 5 AND BARTON NO. 6 MILLING OPERATIONS												
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>5.940 Lbs/Yr based on a 12-month rolling sum</td> <td>Lead</td> </tr> <tr> <td>0.020 gr/DRY FT3</td> <td>PM10</td> </tr> </tbody> </table>		Emission Limit	Pollutant	5.940 Lbs/Yr based on a 12-month rolling sum	Lead	0.020 gr/DRY FT3	PM10						
Emission Limit	Pollutant												
5.940 Lbs/Yr based on a 12-month rolling sum	Lead												
0.020 gr/DRY FT3	PM10												
112	TRUCK LOADING OPERATIONS												
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>22.280 Lbs/Yr based on a 12-month rolling sum</td> <td>Lead</td> </tr> <tr> <td>0.020 gr/DRY FT3</td> <td>PM10</td> </tr> </tbody> </table>		Emission Limit	Pollutant	22.280 Lbs/Yr based on a 12-month rolling sum	Lead	0.020 gr/DRY FT3	PM10						
Emission Limit	Pollutant												
22.280 Lbs/Yr based on a 12-month rolling sum	Lead												
0.020 gr/DRY FT3	PM10												
113	STATIONARY SPARK IGNITION INTERNAL COMBUSTION ENGINE												
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>2.750 Tons/OZNESEAS aggregate from all exempt engines on site</td> <td>NOX</td> </tr> <tr> <td>6.600 Tons/Yr aggregate from all exempt engines on site</td> <td>NOX</td> </tr> <tr> <td>100.000 Lbs/Hr aggregate from all exempt engines on site</td> <td>NOX</td> </tr> <tr> <td>1,000.000 Lbs/Day aggregate from all exempt engines on site</td> <td>NOX</td> </tr> <tr> <td>0.040 gr/DRY FT3</td> <td>PM10</td> </tr> </tbody> </table>		Emission Limit	Pollutant	2.750 Tons/OZNESEAS aggregate from all exempt engines on site	NOX	6.600 Tons/Yr aggregate from all exempt engines on site	NOX	100.000 Lbs/Hr aggregate from all exempt engines on site	NOX	1,000.000 Lbs/Day aggregate from all exempt engines on site	NOX	0.040 gr/DRY FT3	PM10
Emission Limit	Pollutant												
2.750 Tons/OZNESEAS aggregate from all exempt engines on site	NOX												
6.600 Tons/Yr aggregate from all exempt engines on site	NOX												
100.000 Lbs/Hr aggregate from all exempt engines on site	NOX												
1,000.000 Lbs/Day aggregate from all exempt engines on site	NOX												
0.040 gr/DRY FT3	PM10												

Site Emission Restriction Summary

Emission Limit	Pollutant
24.900 Tons/Yr any combination HAP	Hazardous Air Pollutants
9.900 Tons/Yr any single HAP	Hazardous Air Pollutants

**SECTION G. Miscellaneous.**

(a) May 2003: Certain terms and conditions contained in this State Only Operating Permit have been derived from the previously issued Operating Permit OP-46-0162.

(b) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- (1) Dispersion Process - Request for Determination (RFD) 46-A01-1991, plan approval is not required for the source * This source is now included as part of the Polydispersion Process (Source ID 106) * AUTH ID 906105 *
- (2) No. 1 Melt Kettle - RFD 46-A01-1784.
- (3) Nos. 2 and 3 Melt Kettle - RFD 46-A01-1813.
- (4) Recycling of Used Bag Filters and HEPA Filters into Calcining Furnaces - RFD 46-A01-1495.
- (5) Automated Drossing and Drossing Rework System - RFD 46-A01-1123.
- (6) Oxide Rework System - RFD A01-1124.
- (7) Barton Riser Extensions - RFD 46-A01-1125.
- (8) Furnace Air Intake Dust Control - RFD 46-A01-1126.
- (9) No. 1 and No. 2 Central Vacuum / Vacuum Systems - RFD 46-A01-1127.
- (10) Bulk Screening HM System - RFD 46-A01- 1128.
- (11) Conversion from Propane to Natural Gas - RFD 46-A01-1129.
- (12) Maintenance Shop Dust Control System - RFD 46-A01-1209.
- (13) Settling / Evaporation Tanks.
- (14) Bin Discharge Station.
- (15) Pneumatic Rail Car Loading System - RFD 46-A01-2487 * No longer exempt (Source ID 107) * see January 2012 Administrative Amendment * AUTH ID 906105 * see August 2019 - Source no longer in operation and removed from permit *
- (16) Polydispersion Process - RFD 46-A01-2351 * No longer exempt (Source ID 106) * see January 2012 Administrative Amendment * AUTH ID 906105 *
- (17) Parts Washer in Maintenance Area uses hot soapy water only.
- (18) Temporary research and development of a three-roll mill system - RFD No. 328 (February 2008). Reference RFD No. 1248 (July 2010 - Paste Manufacturing Process) for the permanent installation.
- (19) Lead zirconate titanate (PZT) manufacturing line; VOC emissions from the source are less than 2.7 tons per year, and the source exhausts indoors and cannot be bypassed - RFD No. 1088 (September 2009).
- (20) Paste Manufacturing Process with above ground storage tank (3,000 gallons), VOC emissions from the source are less than 2.7 tons per year, and the source exhausts indoors and cannot be bypassed - RFD No. 1248 (January 2010).
- (21) Screen Mill Process; particulate matter emissions are controlled by a dust collector and the source exhausts indoors and cannot be bypassed to exhaust to the outdoor atmosphere - RFD No. 1683 (August 2010) and RFD No. 1711 (modification to RFD No. 1683, September 2010).
- (22) Two (2) bulk material storage bins (88,000-lb capacity each) - RFD No. 1906 (January 2011).
- (23) Pneumatic Conveying Equipment; particulate and lead emissions are vented to a cartridge filter followed by a HEPA filter, which vent indoors and cannot be bypassed to the outdoor atmosphere - RFD No. 2967 (July 2012).
- (24) Building ventilation with a pre-filter and HEPA filter; PM loading is below the limits specified in Chapter 123 - RFD No. 3614 (April 2013).
- (25) Paste Process and dust collector located in the Jacobs Warehouse exhaust indoors and cannot be bypassed to the outdoor atmosphere - RFD No. 4634 (August 2014)
- (26) Maintenance Shop ventilation system exhausts indoors and cannot be bypassed to the outdoor atmosphere - RFD No. 4652 (August 2014).
- (27) Temporary operation of tetrabasic lead sulfate packaging operation exhausts indoors and cannot be bypassed to the outdoor atmosphere - RFD No. 4702 (September 2014).
- (28) Temporary R&D process - RFD No. 4926 (January 2015).
- (29) Mill replacement - RFD No. 5102 (June 2015)
- (30) Relocation of the paste manufacturing process - RFD No. 7031 (April 2018).

(c) May 2008: This is the State Only Operating Permit Renewal - APS #346936, AUTH #704173. There are no new significant sources at the facility and there are no new applicable regulations. The following changes appear in the renewal permit:

- (1) Sections B and C contain some minor updates.
- (2) Emission Restriction Condition #002 for Source ID 101 (Barton Process) and Source ID 102 (Calcining) have been revised. The SO_x, VOC, and CO emission limits have been removed because potentials to emit are de minimus for each pollutant. The NO_x emission limit for Source ID 101 has been corrected. Associated recordkeeping has also been revised.
- (3) Two (2) RFDs have been added to the list above as (b)(15) and (b)(16) * No longer exempt * see January 2012 Administrative Amendment * AUTH ID 906105 *

**SECTION G. Miscellaneous.**

- (4) The Responsible Official has been updated to James Bandstra, Environmental Manager.
- (5) Permit Contact has been updated to Brian Vermeesch, Plant Manager.

(d) January 2012: Administrative Amendment - APS #346936, AUTH #906105: This administrative amendment incorporates terms and conditions from Plan Approval No. 46-0162A, which allows for the installation of two (2) exhaust points for Poly-Dispersion Process Line (Source ID 106) and Rail Car Loading Operation (Source ID 107). The amendment also incorporates applicable requirements of 40 CFR Part 63 Subpart VVVVV - Hazardous Air Pollutants from Chemical Manufacturing Area Sources, which was promulgated in October 2009. The compliance date of applicable provisions of 40 CFR Part 63 Subpart VVVVV is no later than October 29, 2012 because the facility is an existing affected source.

(e) May 2013: This is the State Only Operating Permit RENEWAL - APS #346936, AUTH #947713. The following is addressed with this renewal permit:

(1) The baghouses associated with Source ID 101 (CD01), Source ID 102 (CD03), Source ID 103 (CD05), Source ID 104 (CD07), Source ID 105 (CD09) and Source ID 107 (CD07) were originally installed as control devices under each respective plan approval at the time of installation of each air emission unit. With the promulgation of 40 CFR Part 63 Subpart VVVVV (6V) on October 29, 2009, each baghouse can be classified as a "recovery device" when in reference to 40 CFR Part 63 Subpart VVVVV (6V) requirements.

(2) The source descriptions for Source ID 101 (Barton Units) and Source ID 103 (Mills) and all associated control devices and stacks have been revised to specify Units No. 1, 2, and 3.

(3) Source ID 113 (Stationary Spark Ignition Internal Combustion Engine) has been added to Section A and Section D of the permit with applicable requirements from 40 CFR Part 60 Subpart JJJJ. The source was installed at the facility in July 2011.

(4) Certain compliance milestones of 40 CFR Part 63 Subpart VVVVV (6V) have been met; the affected conditions have been revised accordingly.

(5) Sources of minor significance exempt under RFD have been added to this Section G as condition (b)(18) - (23) above.

(f) May 2014 (APS #827938, AUTH #1001159): This Title V Operating Permit supersedes the Natural Minor Operating Permit.

(1) Hammond Lead Products is considered a Title V Facility as of March 21, 2013 according to the compliance date in 40 CFR § 63.11494(f).

(2) There are no changes to sources at the facility with this action and there are no changes to source level requirements in Section D of this permit. Permit-wide regulatory citations applicable to State Only facilities (Chapter 127 Subchapter F) are revised to regulatory citations applicable to Title V facilities (Chapter 127 Subchapter G). Boilerplate conditions appearing in Section B and Section C of this permit are revised to conditions applicable to major facilities.

(3) Collective source identification numbers are separated out with A, B, C, as applicable.

(4) The source names indicated in Section A of this permit are used for descriptive purposes only and are not considered enforceable by the Department.

(5) Mr. James Bandstra (EHS Manager) is designated as the primary Responsible Official. Mr. Sudhir Patel (President) is designated as the secondary Responsible Official.

(g) October 2014 (APS #827938, AUTH #1042009) Administrative Amendment: This administrative amendment incorporates terms and conditions from Plan Approval No. 46-0162C which supersedes and modifies Plan Approval No. 46-0162B. The plan approval allows for the installation of three (3) new Barton Processes (Source ID 108, 109, and 110) and related equipment (Source ID 111 - Milling, Source ID 112 - Truck Loading Operations).

(h) June 2018 (APS #827938, AUTH #1231017) Minor Modification: This minor modification addresses the change in fuel from propane to natural gas in the emergency generator listed as Source ID 113. There are no changes in emissions with the change in fuel type.

(i) August 2019 (APS #827938, AUTH #1255112) The following is addressed with the RENEWAL permit:

- (1) Primary Responsible Official - Brian Hughes, Plant Manager
- Secondary Responsible Official - Amanda Benik, EHS Director
- Tertiary Responsible Official - Thomas Brown, EHS Manager
- Quaternary Responsible Official - Gerry Kaoukis, Executive VP

(2) Source ID 107 (Rail Car Loading Operations) is no longer operational; the source has been removed from Section A and D.

(3) Propane (FML02) is no longer used in any process, other than fork lifts; FML02 has been removed from mapping for Source ID



SECTION G. Miscellaneous.

101A, 101B, 101C, 102, 108, 109, and 110.

(4) RFD Nos. 4634, 4652, 4702, 4926, 5102, and 7031 have been added to Section G (see (b)(25 - 30)) above.



***** End of Report *****
