



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: June 11, 2019

Effective Date: June 11, 2019

Expiration Date: June 10, 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 unless otherwise designated.

State Only Permit No: 17-00030

Federal Tax Id - Plant Code: 25-1478530-1

Owner Information

Name: CLEARFIELD MACH CO
Mailing Address: PO BOX 992A
CLEARFIELD, PA 16830-0993

Plant Information

Plant: CLEARFIELD MACH CO/3RD & EVERETT STREETS
Location: 17 Clearfield County 17802 Clearfield Borough
SIC Code: 3321 Manufacturing - Gray And Ductile Iron Foundries

Responsible Official

Name: DAVID G GALLAHER
Title: VP/SEC/TREAS
Phone: (814) 765 - 6544

Permit Contact Person

Name: DAVID G GALLAHER
Title: VP/SEC/TREAS
Phone: (814) 765 - 6544

[Signature] _____
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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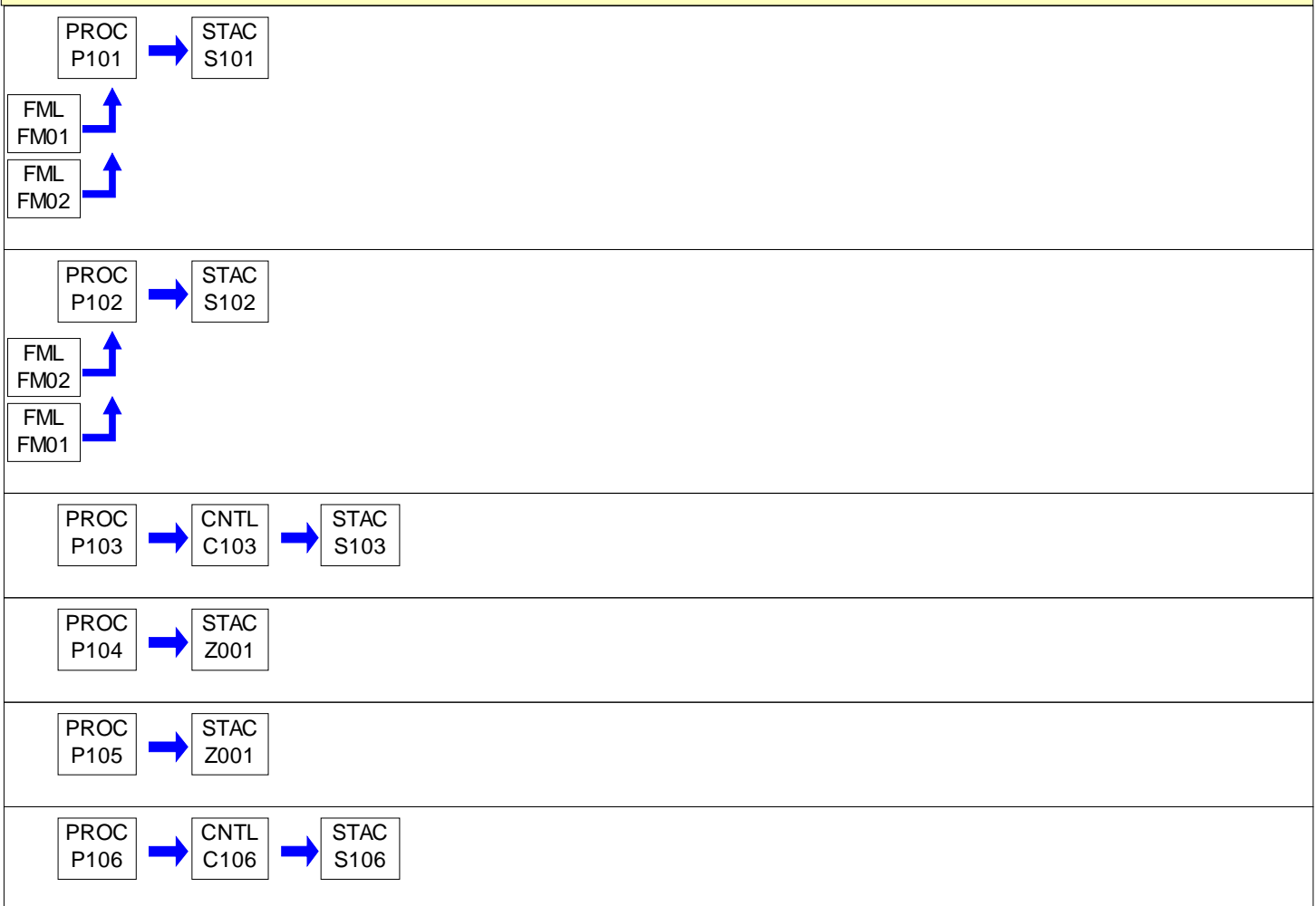
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Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

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

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

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

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

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

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

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

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

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

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

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

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

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]**Operating Permit Modifications**

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

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

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

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

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

#012 [25 Pa. Code § 127.441]**Severability Clause.**

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

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

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

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

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

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

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

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

(2) One ton of 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, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

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- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

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

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

#015 [25 Pa. Code § 127.11]**Reactivation**

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

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

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

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

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

#017 [25 Pa. Code § 121.9]**Circumvention.**

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

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

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

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

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

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

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

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

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

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

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

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

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

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) N/A

(8) N/A

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

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 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

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

(a) Limitations are as follows:

(1) If control of malodorous air contaminants is required under subsection (b), emissions shall be incinerated at a minimum of 1200F for at least 0.3 seconds prior to their emission into the outdoor atmosphere.

(2) Techniques other than incineration may be used to control malodorous air contaminants if such techniques are equivalent to or better than the required incineration in terms of control of the odor emissions and are approved in writing by the Department.

(b) 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.

(c) N/A

**SECTION C. Site Level Requirements****# 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:

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

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

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

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) N/A
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).
- (4) N/A

Fuel Restriction(s).**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Any No. 2 fuel oil or diesel fuel that is fired in any source at this facility shall be virgin fuel to which no reclaimed or waste oil or waste materials have been added. Additionally, the sulfur content of these fuels shall not exceed 0.5% by weight.

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

- (a) The permittee shall perform sampling and analysis of each shipment of No. 2 fuel oil, as required in 25 Pa. Code section 139.16, or obtain a certification from the supplier(s) which includes the percent sulfur of each No. 2 fuel oil shipment, or
- (b) The permittee shall obtain on an annual basis, at least, a fuel certification report(s) from the supplier(s) which certifies that the sulfur percentage of all No. 2 fuel oil shipments to the facility during the year will not exceed 0.5% sulfur by weight.

008 [25 Pa. Code §139.1]**Sampling facilities.**

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

009 [25 Pa. Code §139.11]**General requirements.**

The following are applicable to source tests for determining emissions from stationary sources:

- (1) Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.
- (2) The Department will consider for approval where sufficient information is provided to verify the source conditions

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existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum all of the following:

- (i) A thorough source description, including a description of any air cleaning devices and the flue.
- (ii) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions which may affect emissions from the process.
- (iii) The location of the sampling ports.
- (iv) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (v) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (vi) Laboratory procedures and results.
- (vii) Calculated results.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall conduct while the facility is operating and during daylight hours an inspection of the facility on a weekly basis. Weekly inspections are required to monitor for the presence of visible emissions from each stack, chimney, vent and other functionally equivalent openings at the facility and for the presence of fugitive emissions and malodors at the boundaries of the facility.
- (b) All detected visible emissions, visible fugitive emissions, or malodors that have the potential to exceed applicable limits shall be reported at once to the manager of the facility.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep documentation (certified product data sheets or material safety data sheets) from the supplier/manufacturer which determines the VOC contents of all coatings used at the facility. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall maintain records of weekly inspections to verify compliance with the respective site level monitoring requirements. These records shall include:

The date and time of the inspection as well as the facility's operating conditions as existing at the time of the inspection.

**SECTION C. Site Level Requirements**

The representative that performed the inspection.

The results of the inspection.

A description of any corrective actions taken as result of the inspection, if necessary.

(b) The permittee shall retain all information, as required above, for at least five (5) years and shall make it available to the Department upon request.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall generate and keep records to verify that the No. 2 fuel oil used at the facility complies with the sulfur content limitation, in accordance with the applicable Testing Requirements in Section C, herein. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request

V. REPORTING REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall submit to the Air Program Manager of the North-Central DEP Regional Office all requests, reports, applications, submittals, and other communications concerning applicable federal NESHAP as codified in 40 CFR Part 63 Subpart ZZZZZ.

(b) In accordance with 40 CFR § 63.10, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the USEPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

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

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Upon request of the Department, the permittee shall submit all requested reports in accordance with the Departments suggested format.

017 [25 Pa. Code §127.442]**Reporting requirements.**

(a) The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from the operating permit requirements.

(c) When the malfunction, excess emissions or deviation from this operating permit requirements poses an imminent danger to the public health, safety, welfare, or environment shall be reported by telephone to the Department and the County Emergency Management Agency within one (1) hour after the incident. The owner or operator shall submit a written report of instances of such incidents to the Department within three (3) business days of the telephone report.

(d) Except as reported to the Department in accordance with 25 Pa. Code Chapter 139 and the Department's Continuous Source Monitoring Manual, any malfunction or excess emissions that is not subject to the notice requirements of subsection (c) of this operating permit condition shall be reported to the Department within 24 hours of discovery or the next business day. In notifying the Department, the permittee shall describe the following:

(i) name and location of the facility;

**SECTION C. Site Level Requirements**

- (ii) nature and cause of the malfunction or breakdown;
 - (iii) time when the malfunction or breakdown was first observed;
 - (iv) expected duration of excess emissions;
 - (v) estimated rate of emissions; and
 - (vi) corrective actions or preventative measures taken.
- (e) The permittee shall notify the Department within 24 hours, or the next business day, when corrective measures have been accomplished.
- (f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within 15 days of the malfunction, excess emissions or deviation from the operating permit requirements.

018 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for 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.

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) A source owner or operator 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.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

VII. ADDITIONAL REQUIREMENTS.**# 020 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

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

[Authority for this permit condition is also derived from 40 CFR section 63.10880, Am I subject to this subpart (40 CFR Part

**SECTION C. Site Level Requirements**

63 Subpart ZZZZZ?)]

This facility, as identified on page 1 of this permit, is subject to the National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources as codified in 40 CFR Part 63 Subpart ZZZZZ. The permittee shall comply with all applicable requirements pertaining to the above referenced facility, as specified in 40 CFR sections 63.10880 through 63.10900.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10890, What are my management practices and compliance requirements?]

(a) The permittee shall comply with the pollution prevention management practices for metallic scrap and mercury switches in 40 CFR §63.10885 and binder formulations in 40 CFR §63.10886. See Source IDs P101 and P102 for further details regarding the pollution prevention management practices for metallic scrap and mercury switches and Source ID P104 for further details regarding the pollution prevention management practices for binder formulations in 40 CFR §63.10886.

(b) The permittee shall submit an initial notification of applicability according to 40 CFR §63.9(b)(2).

(c) The permittee shall submit a notification of compliance status according to 40 CFR §63.9(h)(1)(i). The permittee shall send the notification of compliance status before the close of business on the 30th day after the applicable compliance date specified in 40 CFR §63.10881. The notification shall include the following compliance certifications, as applicable:

(1) "This facility has prepared, and will operate by, written material specifications for metallic scrap according to 40 CFR §63.10885(a)(1)" and/or "This facility has prepared, and will operate by, written material specifications for general iron and steel scrap according to 40 CFR §63.10885(a)(2)."

(2) "This facility has prepared, and will operate by, written material specifications for the removal of mercury switches and a site-specific plan implementing the material specifications according to 40 CFR §63.10885(b)(1) and/or "This facility participates in and purchases motor vehicle scrap only from scrap providers who participate in a program for removal of mercury switches that has been approved by the Administrator according to 40 CFR §63.10885(b)(2) and has prepared a plan for participation in the EPA- approved program according to 40 CFR §63.10885(b)(2)(iv)" and/or "The only materials from motor vehicles in the scrap charged to a metal melting furnace at this facility are materials recovered for their specialty alloy content in accordance with 40 CFR §63.10885(b)(3) which are not reasonably expected to contain mercury switches" and/or "This facility complies with the requirements for scrap that does not contain motor vehicle scrap in accordance with 40 CFR §63.10885(b)(4)."

(3) "This facility complies with the no methanol requirement for the catalyst portion of each binder chemical formulation for a furfuryl alcohol warm box mold or core making line according to 40 CFR §63.10886."

(d) As required by 40 CFR §63.10(b)(1), the permittee shall maintain files of all information (including all reports and notifications) for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

(e) The permittee shall maintain records of the information specified in paragraphs (e)(1) through (7) of this section according to the requirements in 40 CFR §63.10(b)(1).

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

(2) Records of the permittee's written materials specifications according to 40 CFR §63.10885(a) and records that demonstrate compliance with the requirements for restricted metallic scrap in 40 CFR §63.10885(a)(1) and/or for the use of general scrap in §63.10885(a)(2) and for mercury in 40 CFR §63.10885(b)(1) through (3), as applicable. The permittee

**SECTION C. Site Level Requirements**

shall keep records documenting compliance with 40 CFR §63.10885(b)(4) for scrap that does not contain motor vehicle scrap.

(3) If the permittee is subject to the requirements for a site-specific plan for mercury switch removal under §63.10885(b)(1), as approved by the Administrator/USEPA or delegated authority (PA DEP), if applicable, the permittee shall:

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

(ii) Submit semiannual reports of the number of mercury switches removed or the weight of mercury recovered from the switches and properly managed, the estimated number of vehicles processed, an estimate of the percent of mercury switches recovered, and a certification that the recovered mercury switches were recycled at RCRA-permitted facilities. The semiannual reports shall include a certification that the permittee have conducted periodic inspections or taken other means of corroboration as required under 40 CFR §63.10885(b)(1)(ii)(C). The permittee shall identify which option in paragraph 40 CFR §63.10885(b) applies to each scrap provider, contract, or shipment. The permittee may include this information in the semiannual compliance reports required under paragraph (f) of this section.

(4) If the permittee is subject to the option for approved mercury programs under 40 CFR §63.10885(b)(2), the permittee shall maintain records identifying each scrap provider and documenting the scrap provider's participation in an approved mercury switch removal program. If the permittee purchases motor vehicle scrap from a broker, the permittee shall maintain records identifying each broker and documentation that all scrap provided by the broker was obtained from other scrap providers who participate in an approved mercury switch removal program.

(5) Records to document use of binder chemical formulation that does not contain methanol as a specific ingredient of the catalyst formulation for each furfuryl alcohol warm box mold or core making line as required by 40 CFR §63.10886. These records shall be the Material Safety Data Sheet (provided that it contains appropriate information), a certified product data sheet, or a manufacturer's hazardous air pollutant data sheet.

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

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

(f) The permittee shall submit semiannual compliance reports according to the requirements in 40 CFR §63.10(e) and the applicable Reporting Requirements in Section C, herein. The report shall clearly identify any deviation from the pollution prevention management practices in 40 CFR §§63.10885 or 63.10886 and the corrective action taken.

(g) The permittee shall submit a written notification to the Department of the initial classification of the permittee's facility as a small foundry as required in 40 CFR §63.10880(f) and (g), as applicable, and for any subsequent reclassification as required in 40 CFR §63.10881(d)(1) or (e), as applicable.

(h) Following the initial determination for an existing affected source as a small foundry, if the annual metal melt production exceeds 20,000 tons during the preceding year, the permittee shall comply with the requirements for large foundries by the applicable dates in 40 CFR §63.10881(d)(1)(i) or (d)(1)(ii).

(i) The permittee shall comply with the following requirements of the General Provisions (40 CFR part 63, subpart A): 40 CFR §§63.1 through 63.5; §63.6(a), (b), (c), and (e)(1); §63.9; §63.10(a), (b)(1), (b)(2)(xiv), (b)(3), (d)(1), (d)(4), and (f); and §§63.13 through 63.16. Requirements of the General Provisions not cited in the preceding sentence do not apply to the owner or operator of a new or existing affected source that is classified as a small foundry.

VIII. COMPLIANCE CERTIFICATION.

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



SECTION C. Site Level Requirements

IX. COMPLIANCE SCHEDULE.

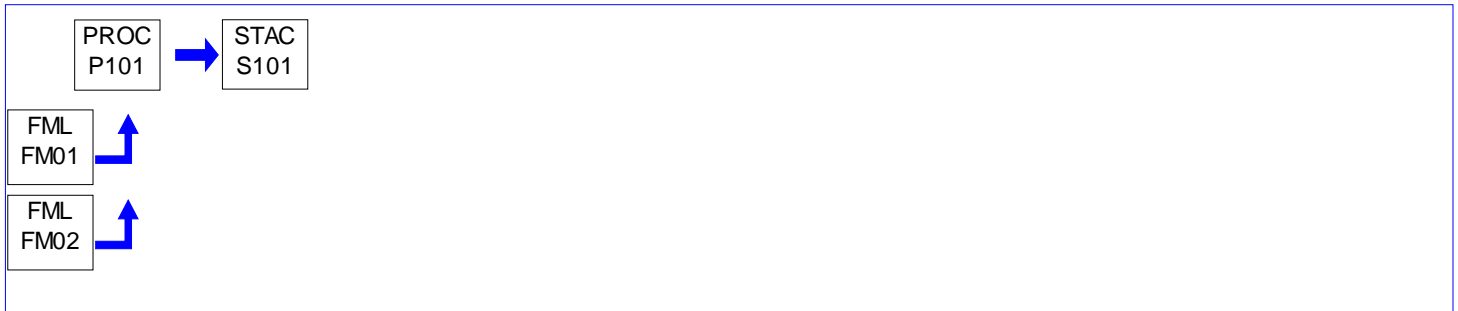
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: P101

Source Name: MELTING FURNACE 1

Source Capacity/Throughput:

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

(a) Subsections (b) and (c) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter from the Source ID P101 Iron Foundry Melting process, in accordance with the Table in 25 Pa. Code section 123.13(b), at any time, either in excess of the rate calculated by the formula under paragraph (1), below or in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater:

Iron foundry:

Melting:

Five tons per hour and less, $F = 150$ (iron), or

more than Five tons per hour, $F = 50$ (iron)

(1) Formula

$$A = .76E^{(0.42)}$$

where:

A = Allowable emissions in pounds per hour.

E = Emission index = $F \times W$ pounds per hour.

F = Process factor in pounds per unit, and

W = Production or charging rate in units per hour.

The factor F is provided above. The units for F and W shall be compatible.

(2) Allowable emissions under subsection (b) to 25 Pa. Code section 123.13 are also graphically indicated in Appendix B to 25 Pa. Code Chapter 123.

(c) N/A

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from the exhaust of Source ID P101 in a manner such that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

SECTION D. Source Level Requirements**Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P101 shall be fired only on natural gas or No. 2 fuel oil to which no reclaimed or waste oil or other waste materials have been added. Additionally, the sulfur content of No. 2 fuel oil shall not, at any time, exceed 0.5% by weight.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10885, What are my management practices for metallic scrap and mercury switches?]

(a) For each segregated metallic scrap storage area, bin or pile for Source ID P101, the permittee shall comply with the materials acquisition requirements in paragraph (a)(1) or (2) of this permit condition. Additionally, any scrap containing motor vehicle scrap is also subject to paragraph (b) of this permit condition. Furthermore, the permittee shall keep a copy of each of the material specifications onsite and readily available to all personnel with material acquisition duties and provide a copy to each of your scrap providers, as well to the Department upon request. You may have certain scrap subject to paragraph (a)(1) of this permit condition and other scrap subject to paragraph (a)(2) of this permit condition at your facility provided the metallic scrap remains segregated until charge make-up. In addition, any scrap containing motor vehicle scrap shall also remain segregated from scrap which does not contain motor vehicle scrap until charge make-up.

(1) For scrap used in Source ID P101 that does not contain motor vehicle scrap or post-consumer automotive body scrap, post-consumer engine blocks, post-consumer oil filters, oily turnings, lead components, chlorinated plastics, or 'free liquids', the permittee shall prepare and operate at all times according to written material specifications for the purchase and use of only metal ingots, pig iron, slitter, or other materials that do not include motor vehicle scrap, post-consumer automotive body scrap, post-consumer engine blocks, post-consumer oil filters, oily turnings, lead components, chlorinated plastics, or 'free liquids.' Additionally, the permittee shall maintain records of documentation verifying each scrap provider, contract, or shipment subject to the above material specification does not contain any of the prohibited materials, above.

(2) For scrap used in Source ID P101 that has the potential to contain organics or HAP metals (e.g. motor vehicle scrap), the permittee shall prepare and operate at all times according to written material specifications for the purchase and use of only iron that has been depleted (to the extent practicable) of organics and HAP metals in the charge materials used by the permittee. The materials specifications shall include at minimum the information specified in paragraph (a)(2)(i) of 40 CFR section 63.10885, as follows: specifications for metallic scrap materials charged to Source ID P101 to be depleted (to the extent practicable) of the presence of used oil filters, chlorinated plastic parts, accessible lead-containing components (such as batteries and wheel weights), and a program to ensure the scrap materials are drained of 'free liquids.'

(b) For scrap containing motor vehicle scrap, the permittee shall procure the scrap pursuant to one of the compliance options in paragraphs (b)(1), (2), or (3) of 40 CFR section 63.10885 for each scrap provider, contract, or shipment. You may have one scrap provider, contract, or shipment subject to one compliance provision and others subject to another compliance provision.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

SECTION D. Source Level Requirements**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10890, What are my management practices and compliance requirements?]

The permittee shall comply with all the applicable recordkeeping requirements pertaining to Source ID P101 and its materials acquisition requirements, as required in condition #022 under Additional Requirements in Section C, herein.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10890, What are my management practices and compliance requirements?]

The permittee shall comply with all the applicable initial notification, notification of compliance status and semiannual reporting requirements pertaining to Source ID P101 and its applicable materials acquisition requirements, as required in condition #022 under Additional Requirements in Section C, herein.

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Any scrap purchased for use in Source ID P101 shall be essentially free of oil and grease.

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

Source ID P101 is a natural gas- or No. 2 fuel oil-fired Monometer Rotary Reverberatory Iron Melting Furnace #1.

SECTION D. Source Level Requirements

Source ID: P102

Source Name: MELTING FURNACE 2

Source Capacity/Throughput:

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

(a) Subsections (b) and (c) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter from the Source ID P102 Iron Foundry Melting process, in accordance with the Table in 25 Pa. Code section 123.13(b), at any time, either in excess of the rate calculated by the formula under paragraph (1), below or in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater:

Iron foundry:

Melting:

Five tons per hour and less, F = 150 (iron), or

more than Five tons per hour, F = 50 (iron)

(1) Formula

$$A = .76E^{(0.42)}$$

where:

A = Allowable emissions in pounds per hour.

E = Emission index = F x W pounds per hour.

F = Process factor in pounds per unit, and

W = Production or charging rate in units per hour.

The factor F is provided above. The units for F and W shall be compatible.

(2) Allowable emissions under subsection (b) to 25 Pa. Code section 123.13 are also graphically indicated in Appendix B to 25 Pa. Code Chapter 123.

(c) N/A

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from the exhaust of Source ID P102 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P102 shall be fired only on natural gas or No. 2 fuel oil to which no reclaimed or waste oil or other waste materials have been added. Additionally, the sulfur content of No. 2 fuel oil shall not, at any time, exceed 0.5% by weight.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10885, What are my management practices for metallic scrap and mercury switches?]

(a) For each segregated metallic scrap storage area, bin or pile for Source ID P102, the permittee shall comply with the materials acquisition requirements in paragraph (a)(1) or (2) of this permit condition. Additionally, any scrap containing motor vehicle scrap is also subject to paragraph (b) of this permit condition. Furthermore, the permittee shall keep a copy of each of the material specifications onsite and readily available to all personnel with material acquisition duties and provide a copy to each of your scrap providers, as well to the Department upon request. You may have certain scrap subject to paragraph (a)(1) of this permit condition and other scrap subject to paragraph (a)(2) of this permit condition at your facility provided the metallic scrap remains segregated until charge make-up. In addition, any scrap containing motor vehicle scrap shall also remain segregated from scrap which does not contain motor vehicle scrap until charge make-up.

(1) For scrap used in Source ID P102 that does not contain motor vehicle scrap or post-consumer automotive body scrap, post-consumer engine blocks, post-consumer oil filters, oily turnings, lead components, chlorinated plastics, or 'free liquids', the permittee shall prepare and operate at all times according to written material specifications for the purchase and use of only metal ingots, pig iron, slitter, or other materials that do not include motor vehicle scrap, post-consumer automotive body scrap, post-consumer engine blocks, post-consumer oil filters, oily turnings, lead components, chlorinated plastics, or 'free liquids.' Additionally, the permittee shall maintain records of documentation verifying each scrap provider, contract, or shipment subject to the above material specification does not contain any of the prohibited materials, above.

(2) For scrap used in Source ID P102 that has the potential to contain organics or HAP metals (e.g. motor vehicle scrap), the permittee shall prepare and operate at all times according to written material specifications for the purchase and use of only iron that has been depleted (to the extent practicable) of organics and HAP metals in the charge materials used by the permittee. The materials specifications shall include at minimum the information specified in paragraph (a)(2)(i) of 40 CFR section 63.10885, as follows: specifications for metallic scrap materials charged to Source ID P102 to be depleted (to the extent practicable) of the presence of used oil filters, chlorinated plastic parts, accessible lead-containing components (such as batteries and wheel weights), and a program to ensure the scrap materials are drained of 'free liquids.'

(b) For scrap containing motor vehicle scrap, the permittee shall procure the scrap pursuant to one of the compliance options in paragraphs (b)(1), (2), or (3) of 40 CFR section 63.10885 for each scrap provider, contract, or shipment. You may have one scrap provider, contract, or shipment subject to one compliance provision and others subject to another compliance provision.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

SECTION D. Source Level Requirements**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10890, What are my management practices and compliance requirements?]

The permittee shall comply with all the applicable recordkeeping requirements pertaining to Source ID P102 and its materials acquisition requirements, as required in condition #022 under Additional Requirements in Section C, herein.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10890, What are my management practices and compliance requirements?]

The permittee shall comply with all the applicable initial notification, notification of compliance status and semiannual reporting requirements pertaining to Source ID P102 and its materials acquisition requirements, as required in condition #022 under Additional Requirements in Section C, herein.

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Any scrap purchased for use in Source ID P102 shall be essentially free of oil and grease.

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

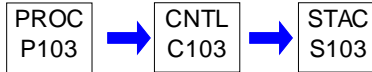
Source ID P102 is a natural gas- or No. 2 fuel oil-fired Monometer Rotary Reverberatory Iron Melting Furnace #2.

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: MOLDING SAND RECLAIM SYSTEM

Source Capacity/Throughput:

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

(a) Subsections (b) and (c) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

(b) No person may permit the emission into the outdoor atmosphere of particulate matter from the Source ID P103 Sand Handling process, in accordance with the Table in 25 Pa. Code section 123.13(b), at any time, either in excess of the rate calculated by the formula under paragraph (1), below or in such a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 grains per dry standard cubic foot, whichever is greater:

Iron foundry:

Sand handling, F = 20 (sand)

(1) Formula

$$A = .76E^{(0.42)}$$

where:

A = Allowable emissions in pounds per hour.

E = Emission index = F x W pounds per hour.

F = Process factor in pounds per unit, and

W = Production or charging rate in units per hour.

The factor F is provided above. The units for F and W shall be compatible.

(2) Allowable emissions under subsection (b) to 25 Pa. Code section 123.13 are also graphically indicated in Appendix B to 25 Pa. Code Chapter 123.

(c) N/A

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall continuously monitor the pressure differential across the fabric collector (ID C103) associated with Source ID P103.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the pressure differential across the fabric collector (ID C103) associated with Source ID P103 at least once per week.

**SECTION D. Source Level Requirements**

(b) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 shall not be operated during periods of time when the fabric bags in the fabric collector (ID C103) are being shaken.

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 is a Molding Sand Reclaim System consisting of a vibro reclaimer and a fluidized bed unit as well as an associated belt conveyor, bucket elevator, feed bin and feeder. The air contaminant emissions from Source ID P103 shall be controlled by an Aget FH 58-4 fabric collector (ID C103).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

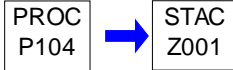
The facility shall keep on hand a sufficient quantity of a spare fabric collector bags for ID C103 associated with Source ID P103 in order to immediately replace any bags requiring replacement due to deterioration.

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: MOLD AND CORE PRODUCTION

Source Capacity/Throughput:

**I. RESTRICTIONS.****Throughput Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10886, What are my management practices for binder formulations?]

The permittee shall only use a binder chemical formulation that does not use/contain methanol as a specific ingredient of the catalyst formulation.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall keep a copy of the certified product data sheet or material safety data sheets from each mold paint coating supplier/manufacturer to determine the VOC and HAP contents of all coatings used by the permittee.

(b) The permittee shall generate and keep monthly records of the total volume amount of each mold paint coating used at the facility on a 12-month rolling basis.

(c) The above records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

[Authority for this permit condition is also derived from 40 CFR section 63.10890, What are my management practices and compliance requirements?]

The permittee shall comply with all the applicable recordkeeping requirements pertaining to the furfuryl alcohol warm box mold and core making line associated with Source ID P104, as required in condition #022 under Additional Requirements in Section C, herein.

V. REPORTING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.10890, What are my management practices and compliance requirements?]

**SECTION D. Source Level Requirements**

The permittee shall comply with all the applicable initial notification, notification of compliance status and semiannual reporting requirements pertaining to the furfuryl alcohol warm box mold and core making line associated with Source ID P104, as required in condition #022 under Additional Requirements in Section C, herein.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

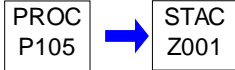
Source ID P104 consists of a mold painting operation used to apply a coating to the surface of sand molds to prevent the infiltration of sand into the metal castings and metal into the sand mold, and consists of other mold and core production operations including each furfuryl alcohol warm box mold and core making line at the facility.

SECTION D. Source Level Requirements

Source ID: P105

Source Name: POURING,COOLING,SHAKE-OUT

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

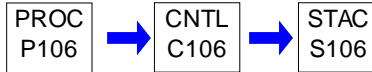
Source ID P105 is the Pouring, Cooling and Shake-out operations.

SECTION D. Source Level Requirements

Source ID: P106

Source Name: CLEANING AND FINISHING

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 the exhaust of ID C106 associated with Source ID P106 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The cartridge collector (ID C106) associated with Source ID P106 shall be equipped with a pressure differential gauge that will accurately measure the pressure differential across the cartridge collector.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the pressure differential across the cartridge collector (ID C106) associated with Source ID P106 at least once per week.

(b) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The facility shall keep on hand a sufficient quantity of a spare cartridges for the cartridge collector (ID C106) associated with Source ID P106 in order to immediately replace any cartridges requiring replacement due to deterioration.

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P106 is a Cleaning and Finishing operation consisting of two shot blast machines used for the rough cleaning of castings. The air contaminant emissions from Source ID P106 shall be controlled by a Pangborn cartridge collector (ID C106).



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION F. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION G. Miscellaneous.

The following air contaminant sources are considered to the Department to be insignificant with regards to air contaminant emissions and have been determined to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulation and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (a) One above ground 55 gallons Tecpro A10-1/ Tecpro A60 coating storage tank.
- (b) One above ground 250 gallons diesel/#2 fuel oil storage tank.
- (c) Multiple coal-fired stoves or space heaters.



***** End of Report *****
