



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM**

**TITLE V/STATE OPERATING PERMIT**

Issue Date: November 12, 2019

Effective Date: November 12, 2019

Expiration Date: October 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: 61-00004**

Federal Tax Id - Plant Code: 23-0457636-1

**Owner Information**

Name: G.O. CARLSON, INC.

Mailing Address: 175 MAIN ST  
OIL CITY, PA 16301-1038

**Plant Information**

Plant: ELECTRALLOY GO CARLSON/OIL CITY

Location: 61 Venango County

61001 Oil City City

SIC Code: 3312 Manufacturing - Blast Furnaces And Steel Mills

**Responsible Official**

Name: TRACY RUDOLPH

Title: PRESIDENT & C.O.O.

Phone: (814) 678 - 4200

**Permit Contact Person**

Name: TRACY RUDOLPH

Title: PRESIDENT & C.O.O.

Phone: (814) 678 - 4200

[Signature] \_\_\_\_\_

ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



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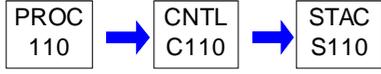
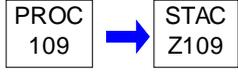
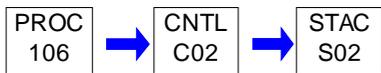
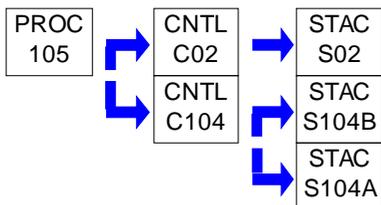
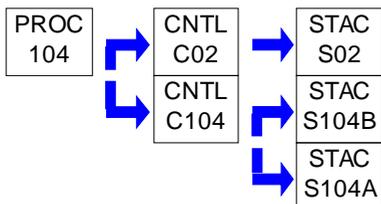
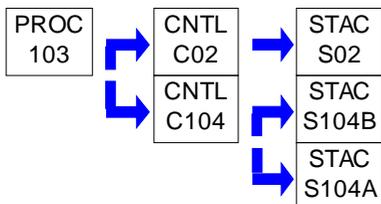
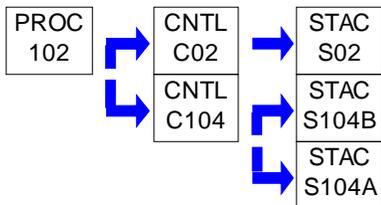
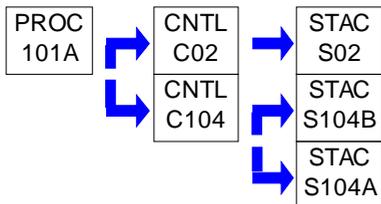
### Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
101A	ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)	16.000	Tons/HR	STEEL
102	ARGON OXYGEN REFINER (AOD) A	24.000	Tons/HR	STEEL
103	ARGON OXYGEN REFINER (AOD) B	24.000	Tons/HR	STEEL
104	ELECTRIC ARC FURNACE CHARGING & TAPPING	16.000	Tons/HR	STEEL
		16.000	Tons/HR	STEEL
105	AOD CHARGING & TAPPING	16.000	Tons/HR	STEEL
106	INGOT MOLD POURING	16.000	Tons/HR	STEEL
108	TUMBLEBLAST	2.060	Tons/HR	STEEL
109	VACUUM ARC REMELTING (VAR) (7 UNITS)	25.000	Tons/HR	STEEL
110	ELECTRO SLAG REMELTING (ESR) #1	25.000	Tons/HR	STEEL
110A	ELECTRO SLAG REMELTING (ESR) #2	25.000	Tons/HR	STEEL
111	ANNEALING FURNACES (8), ONEX #1 - #6 & REMELT #1, #2	43.500	MMBTU/HR	
		120.000	Tons/HR	STEEL
		42.647	MCF/HR	NATURAL GAS
113	LADLE PREHEATERS FOR MELT SHOP (3)	18.000	MMBTU/HR	
		18.000	MCF/HR	NATURAL GAS
114	MELT SHOP INDOOR FUGITIVES	1.000	Tons/HR	STEEL
115	POWDER TORCH	1.000	MCF/HR	Natural Gas
116	TRIM STATION	16.000	Tons/HR	STEEL
120	PARTS WASHER	1.000	Gal/HR	STODDARD SOLVENT
121	MISCELLANEOUS NATURAL GAS COMBUSTION	2.577	MMBTU/HR	
		2.577	MCF/HR	Natural Gas
C02	NORTH MELT SHOP BAGHOUSE BY RT 8			
C03	TUMBLEBLAST BAGHOUSE			
C104	SOUTH EAF BAGHOUSE AT SCRAP YARD			
C110	ESR #1 BAGHOUSE			
C110A	ESR #2 BAGHOUSE			
FML01	NATURAL GAS			
S02	NORTH MELT SHOP BAGHOUSE STACKS (12)			
S03	TUMBLEBLAST BAGHOUSE STACK			
S104A	SOUTH EAF BAGHOUSE STACK			
S104B	SOUTH EAF BAGHOUSE STACK			
S110	ESR #1 BAGHOUSE STACK			
S110A	ESR #2 BAGHOUSE STACK			
Z109	VAR FUGITIVES			
Z111	ANNEALING FUGITIVES			
Z113	FUGITIVES FROM LADLE PREHEATERS			
Z120	PARTS WASHER FUGITIVE EMISSIONS			
Z121	FUGITIVES FROM MISCELLANEOUS NATURAL GAS COMBUSTION			

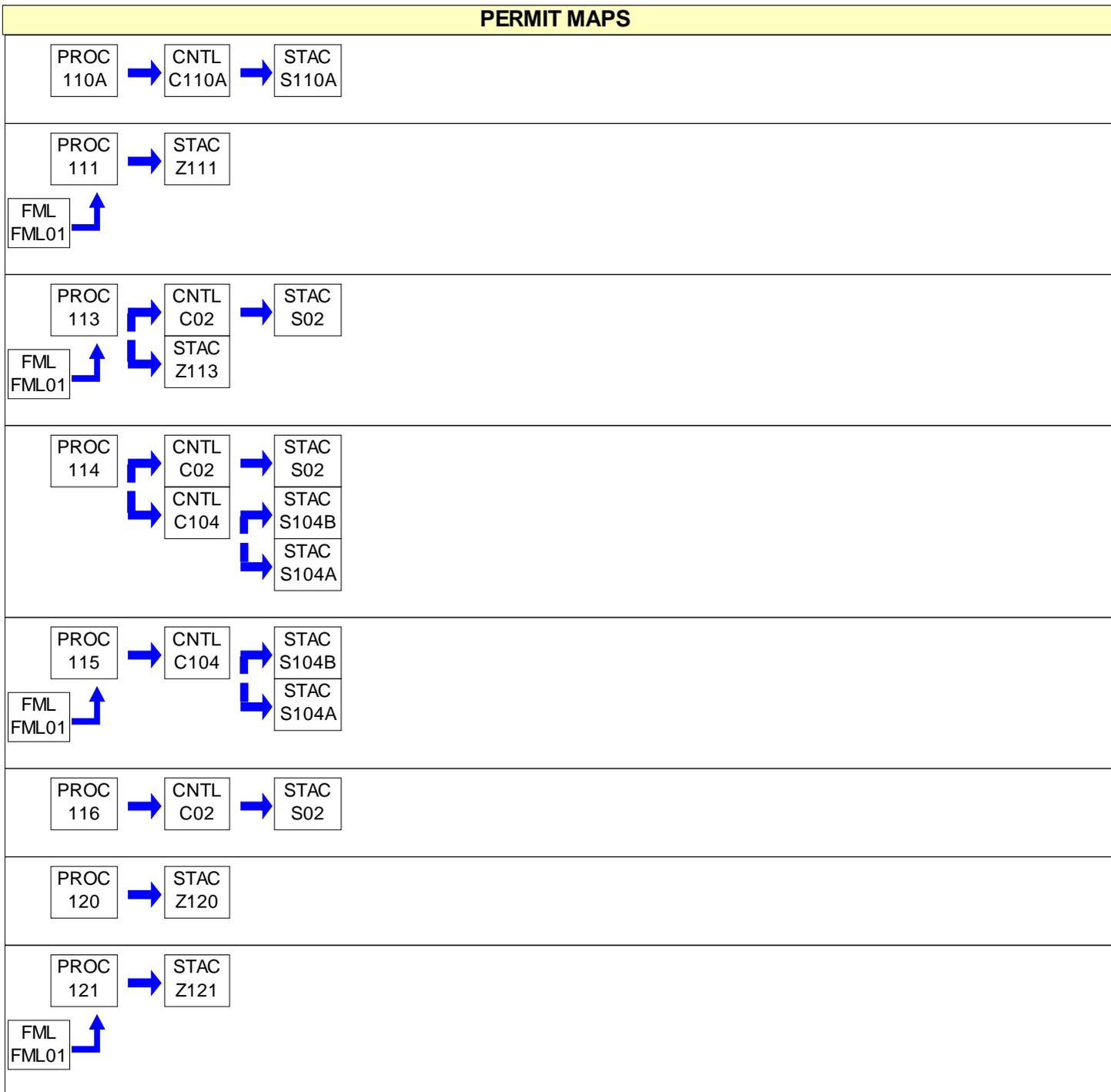


PERMIT MAPS





### 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).

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(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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> 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**

(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) [Not applicable]

(8) [Not applicable]

(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.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) [Paragraph (c) of the regulation is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(d) [Paragraph (d) of the regulation is not applicable to this facility.]

**# 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) (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 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.

**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 25 Pa. Code § 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions). [123.1(a)(1) -- (9) are printed under Emission Restrictions in this section of permit.]
- (4) [Not applicable]

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

Total Facility-wide VOC emissions shall be less than 50 tpy based on a 12 consecutive month rolling total.

**II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) If the results of a stack test, performed as required by this permit, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (b) If the results of the required stack test exceed any limit defined in this permit, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the permit, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the permit, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the permit may be grounds for immediate revocation of the permit to operate the affected source.

[From plan approval 61-004D, Section C, condition 002]

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

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

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 009 [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.

**IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The facility shall maintain a daily record of tons of steel produced and hours of melt shop operations. This information shall be used to calculate emissions. This information shall be kept for a period of five years and made available to the Department upon request.

[From plan approval 61-004D, Section C, condition 003]

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall maintain monthly records of VOC emissions.
- (b) Each month, the monthly VOC emissions shall be added to the previous 11 months to obtain the 12 consecutive month total emissions in units of tons per year to show compliance with the VOC emission restriction by means of rolling 12-month totals.

**# 012 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain records of deviations of 25 Pa. Code §§ 123.1, 123.2, 123.31, & 123.41 and the corrective action taken.

**# 013 [25 Pa. Code §135.5]****Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with §§ 135.3 and 135.21 (relating to reporting; and emission statements). These 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.

**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The 6-month deviation report, required under Section B Condition #023, shall be submitted to the Department within 30-days of the end of the reporting period. The 6-month deviation report shall cover the following periods unless otherwise approved by the Department:

1. January 1 through June 30
2. July 1 through December 31

(b) In accordance with 25 Pa. Code § 127.513 and with Section B Condition #026 of this permit, the annual compliance certification report shall be submitted to both the Department and EPA within 1 month of the end of the reporting period. The annual compliance certification shall cover the following period unless otherwise approved by the Department.

- January 1 through December 31.

**SECTION C. Site Level Requirements**

(c) All submittals to the Department required by this permit shall be mailed to the following address.

Bureau of Air Quality  
Department of Environmental Protection  
230 Chestnut Street  
Meadville, PA 16335  
814-332-6940 (phone)  
814-332-6121 (fax)

(d) The addresses for EPA submittals are as follows.

(1) The mailing address is:

Section Chief  
U.S. Environmental Protection Agency Region III  
Enforcement and Compliance Assurance Division  
Air Section (3ED21)  
1650 Arch Street  
Philadelphia, PA 19103-2029

(2) Electronic compliance certifications may be sent to the EPA at the following email address.

R3\_APD\_Permits@epa.gov

Include the following in the email subject line:

- name of facility, state, and Title V operating permit number.

**# 015 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall notify the Department, within 7 days, of deviations of 25 Pa. Code §§ 123.1, 123.2, 123.31, & 123.41 [printed in this section of the permit above] and the corrective action taken.

**# 016 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

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

**# 017 [25 Pa. Code §135.21]**

**Emission statements**

[From 135.21(b) & (c)]

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

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

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

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

**SECTION C. Site Level 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.

**# 019 [25 Pa. Code §135.4]****Report format**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 020 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) - (b) [Paragraphs (a) and (b) of 25 Pa. Code § 123.1 are printed under Emission Restrictions in this section of permit.]

(c) A person responsible for any source specified in 25 Pa. Code § (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.

(d) [Paragraph (d) of the regulation is not applicable to this facility.]

**# 021 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than 20% of full scale.

[From plan approval 61-004D, Section C, condition 004]

**# 022 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The procedure for evaluating and reporting the observation of fugitive, fugitive particulate, visible and malodorous events shall be provided to the appropriate personnel responsible for evaluating and reporting fugitive, fugitive particulate, visible and malodorous events. Appropriate corrective action shall be taken to ensure compliance with 25 Pa. Code §§ 123.1, 123.2, 123.31, & 123.41 as printed in this section of the permit above.

**SECTION C. Site Level Requirements****# 023 [25 Pa. Code §129.14]****Open burning operations**

- (a) Air basins. [Paragraph (a) is not applicable to this facility.]
- (b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:
- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
  - (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
  - (3) The emissions interfere with the reasonable enjoyment of life or property.
  - (4) The emissions cause damage to vegetation or property.
  - (5) The emissions are or may be deleterious to human or animal health.
- (c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:
- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
  - (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
  - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
  - (4) [Not applicable]
  - (5) [Not applicable]
  - (6) A fire set solely for recreational or ceremonial purposes.
  - (7) A fire set solely for cooking food.
- (d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:
- (1) As used in this subsection the following terms shall have the following meanings:  
  
Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.  
  
Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.
  - (2) [Not applicable]
  - (3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:
    - (i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.
    - (ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes

**SECTION C. Site Level Requirements**

transported from an air basin for disposal outside of an air basin.

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

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

**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.**

The permittee shall submit within thirty days of 12/31/2019 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

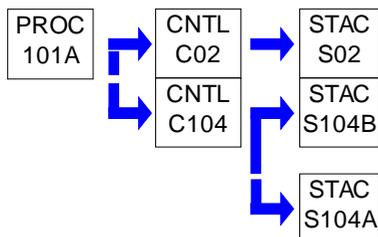
**SECTION D. Source Level Requirements**

Source ID: 101A

Source Name: ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)

Source Capacity/Throughput: 16.000 Tons/HR STEEL

Conditions for this source occur in the following groups: 2 - NORTH & SOUTH BAGHOUSE TESTING  
 3 - STEELMAKING NESHAP  
 4 - N & S BAGHOUSE MONITORING  
 5 - NORTH BAGHOUSE EMISSION RESTRICTIONS  
 6 - SOUTH BAGHOUSE RESTRICTIONS & REQMTS

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

The production throughput for Source 101A, the Electric Arc Furnace, shall be less than 150,000 tons per year of stainless or specialty steel.

[This condition allows for the alternate PM emission standard allowed by 40 CFR § 63.10686 paragraphs (b) and (c) which is printed in Group 3 of Section E of this TV permit.]

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

The maximum production shall not exceed 16 tons per hour.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The facility shall maintain sufficient records to demonstrate compliance with the 16 tons per hour throughput restriction for the EAF.

(b) This information shall be kept for a period of five years and made available to the Department upon request.

**SECTION D. Source Level Requirements****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall maintain monthly records of production throughput for Source 101A, the Electric Arc Furnace, in tons.
- (b) Each month, the production throughput shall be added to the previous 11 months to obtain the 12 consecutive month total of production throughput in units of tons per year to demonstrate compliance with the 150,000 tpy throughput restriction with rolling 12-month totals.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

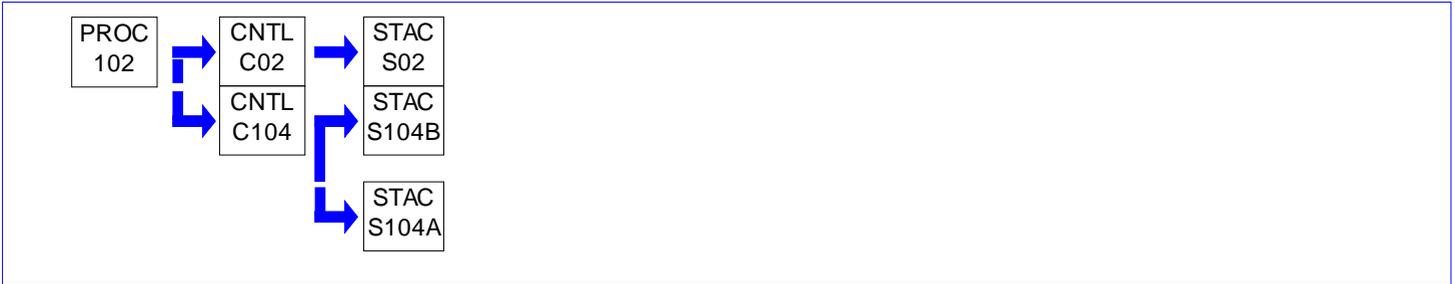
Source ID: 102

Source Name: ARGON OXYGEN REFINER (AOD) A

Source Capacity/Throughput: 24.000 Tons/HR STEEL

Conditions for this source occur in the following groups:

- 2 - NORTH & SOUTH BAGHOUSE TESTING
- 3 - STEELMAKING NESHAP
- 4 - N & S BAGHOUSE MONITORING
- 5 - NORTH BAGHOUSE EMISSION RESTRICTIONS
- 6 - SOUTH BAGHOUSE RESTRICTIONS & REQMTS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

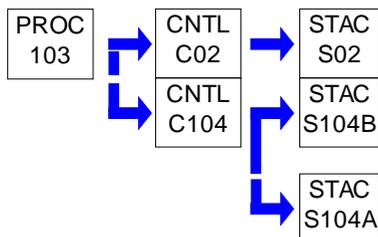
Source ID: 103

Source Name: ARGON OXYGEN REFINER (AOD) B

Source Capacity/Throughput: 24.000 Tons/HR STEEL

Conditions for this source occur in the following groups:

- 2 - NORTH & SOUTH BAGHOUSE TESTING
- 3 - STEELMAKING NESHAP
- 4 - N & S BAGHOUSE MONITORING
- 5 - NORTH BAGHOUSE EMISSION RESTRICTIONS
- 6 - SOUTH BAGHOUSE RESTRICTIONS & REQMTS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

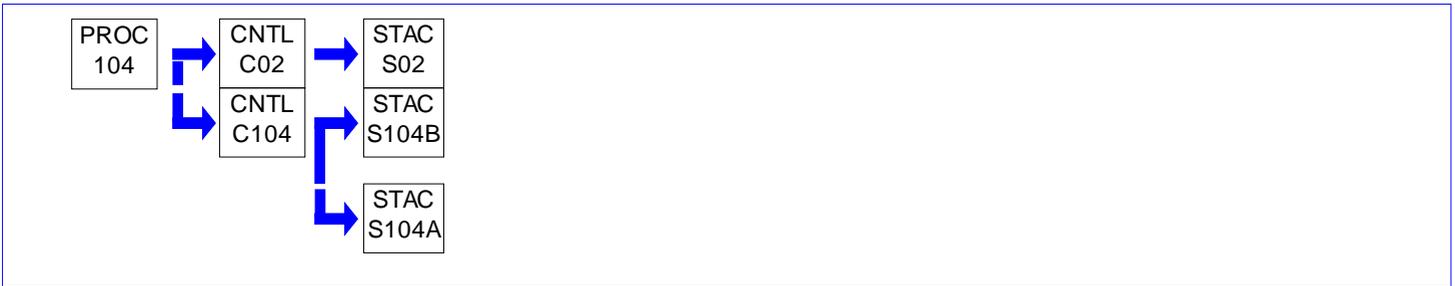
Source ID: 104

Source Name: ELECTRIC ARC FURNACE CHARGING &amp; TAPPING

Source Capacity/Throughput:	16.000 Tons/HR	STEEL
	16.000 Tons/HR	STEEL

Conditions for this source occur in the following groups:

- 2 - NORTH & SOUTH BAGHOUSE TESTING
- 3 - STEELMAKING NESHAP
- 4 - N & S BAGHOUSE MONITORING
- 5 - NORTH BAGHOUSE EMISSION RESTRICTIONS
- 6 - SOUTH BAGHOUSE RESTRICTIONS & REQMTS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

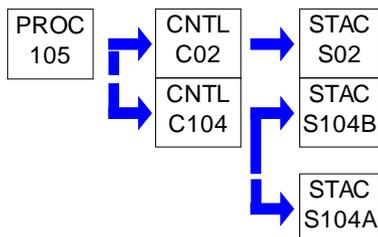
Source ID: 105

Source Name: AOD CHARGING &amp; TAPPING

Source Capacity/Throughput: 16.000 Tons/HR STEEL

Conditions for this source occur in the following groups:

- 2 - NORTH & SOUTH BAGHOUSE TESTING
- 3 - STEELMAKING NESHAP
- 4 - N & S BAGHOUSE MONITORING
- 5 - NORTH BAGHOUSE EMISSION RESTRICTIONS
- 6 - SOUTH BAGHOUSE RESTRICTIONS & REQMTS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

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

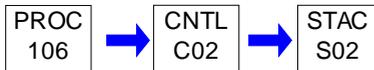
**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: INGOT MOLD POURING

Source Capacity/Throughput: 16.000 Tons/HR STEEL

Conditions for this source occur in the following groups: 2 - NORTH & SOUTH BAGHOUSE TESTING  
5 - NORTH BAGHOUSE EMISSION RESTRICTIONS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

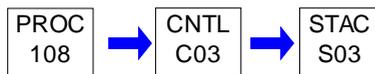
Source ID: 108

Source Name: TUMBLEBLAST

Source Capacity/Throughput:

2.060 Tons/HR

STEEL

**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 any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

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

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

The following are CAM related requirements for the tumbleblast baghouse (C03).

[Additional authority for parts (a) - (c) of this permit condition is also derived from 40 CFR §64.6 & §64.3]

(a) The permittee shall use the approved process parameter(s) or indicator(s) to obtain data and monitor the emission control equipment performance. The approved parameter(s) or indicator(s) are:

- (1) Pressure drop across the baghouse.
- (2) Visual inspections of the baghouse.

(b) The permittee shall use the approved mean(s) or device(s) to measure the applicable indicator(s). The approved measuring device(s) are:

- (1) Pressure gauges to measure the pressure drop across the baghouse.
- (2) Method 22 like visual observation. If any emissions are detected by a Method 22-like procedure, a Method 9 test shall be performed immediately. If a Method 9 certified observer is not available at the time emissions are detected by the Method 22-like procedure, the Method 9 test shall be performed within 24-hours, except that the Method 9 test may be performed within 48 hours if emissions are detected on a Saturday, Sunday, or holiday. If a Method 9 test cannot be performed immediately, the rationale for testing at a later time shall be documented and these records kept for a period of five years. The Department shall be notified, in writing, of any such occurrence immediately.

(c) The permittee shall use the approved frequency for conducting monitoring of indicators.

- (1) The approved frequency is pressure drop measured at least once per 24-hour period when in operation.
- (2) The approved frequency is Method 22 like visual observation at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

[Additional authority for part (d) of this permit condition is also derived from 40 CFR §64.3]

(d) The permittee shall use the approved period over which discrete data points for approved indicators will be collected

**SECTION D. Source Level Requirements**

and averaged for the purpose of determining an excursion. The approved period and indicators are:

- (1) Pressure drop recorded at least once per 24-hour when in operation and averaged over a 24-hour period.
- (2) Method 22 like visual observations at least once per 24-hour period when in operation and Method 9 if

emissions are detected by Method 22 like visual observation.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The following are CAM related requirements for the tumbleblast baghouse (C03).

[Additional authority for parts (a) - (d) of this permit condition is also derived from 40 CFR §64.9]

(a) The permittee shall record at least once per 24-hour period when in operation the approved indicator(s) using approved data collecting device(s).

(1) The approved data collecting device(s) is manual log entries based on gauge readings.

(2) The approved data collecting device(s) is EPA Method 22 visual observation Field Data Sheets and Method 9 observation sheets.

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

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

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

[Additional authority for paragraph (e) of this permit condition is also derived from 40 CFR §70.6(a)(3)(ii)(B)]

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

**V. REPORTING REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The following are CAM related requirements for the tumbleblast baghouse (C03).

[Additional authority for part (a) of this permit condition is also derived from 40 CFR §64.9 & §70.6(a)(3)(iii)(A)]

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

[Additional authority for part (b) of this permit condition is also derived from 40 CFR §64.9]

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, possible causes and corrective actions taken, every 6 months.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

The following are CAM related requirements for the tumbleblast baghouse (C03).

[Additional authority for part (a) of this permit condition is also derived from 40 CFR §64.3 & §64.6]

(a) The permittee shall adhere to the approved range for the selected indicator so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

- The approved range for the pressure drop across the baghouse is from 2.0 to 5.4 inches of water column.

[Additional authority for parts (b) - (d) of the following permit conditions are also derived from 40 CFR §64.3]

(b) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the devices.

(1) The permittee shall, for an approved device(s), install detectors or sensors at a location approved by the Department for obtaining data that are representative of the monitored indicator.

(2) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

- The operational status pertains to the first time calibration of new or modified equipment. The permittee may compare the data with any Department approved standardized data. For example, you might compare a pressure gauge at a controlled pressure to that of a pressure standard of a known accuracy, or thermal couple temperature accuracy measured against a known reference temperature traceable to a National Institute for Standards and Technology (NIST).

(3) The permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

- The approved time intervals is that a pressure gauge is calibrated and checked for accuracy monthly.

(c) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

(d) The permittee shall ensure that at least 90% of the monitoring data has been properly and accurately collected.

[Additional authority for part (e) of this permit condition is also derived from 40 CFR §64.4]

(e) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of the permit.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

Quality Improvement Plan Requirements

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

(1) Six excursions occur in a six-month reporting period.

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

(b) In general, the QIP plan should be developed within 60 days and the permittee shall provide a copy of the QIP to the

**SECTION D. Source Level Requirements**

Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

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

(d) In accordance with 40 CFR §64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

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

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

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

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

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

The source and control device shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

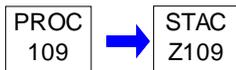
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: VACUUM ARC REMELTING (VAR) (7 UNITS)

Source Capacity/Throughput: 25.000 Tons/HR STEEL

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[From plan approval PA-61-004A Condition 11 for the units installed in 1998.] [Also from October 24, 2011, and August 24, 2015, RFD approvals.]

**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: 110

Source Name: ELECTRO SLAG REMELTING (ESR) #1

Source Capacity/Throughput:

25.000 Tons/HR

STEEL

**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 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**Control Device Efficiency Restriction(s).**

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The pressure drop across the control device shall not exceed 6" w.g.

[PA: PA-61-004A Condition No. 7]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall maintain a record of all preventative maintenance inspections of the control device. These records shall, at a minimum, contain the dates of the inspections, any problems or defects, the actions taken to correct the problems or defects, any routine maintenance performed, and the pressure drop across the control device.

[PA: PA-61-004A Condition No. 12]

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

(a) The permittee shall perform a monthly preventative maintenance inspection of the control device. [PA: PA-61-004A Condition No. 9]

**SECTION D. Source Level Requirements**

- (b) The permittee shall maintain a gauge at a conveniently readable location to indicate the pressure drop across the control device. [PA: PA-61-004A Condition No. 6]
- (c) The permittee shall have 10 percent of the total number of bags in the baghouse on hand as spares (3 bags). [PA: PA-61-004A Condition No. 8]
- (d) The permittee shall operate the control device at all times that the ESR is in operation. [PA: PA-61-004A Condition No. 10]
- (e) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.  
[PA: PA-61-004A Condition No. 11]

**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: 110A

Source Name: ELECTRO SLAG REMELTING (ESR) #2

Source Capacity/Throughput: 25.000 Tons/HR STEEL

**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 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

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

PM-10 emissions shall not exceed 0.282 tons per year.

[From March 9, 2012, RFD approval of de minimus increase for this source. Authority for this condition also comes from 25 Pa. Code §127.449.]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

Adequate records shall be maintained to demonstrate that the applicable de minimis thresholds are not exceeded.

[From March 9, 2012, RFD approval for this source.]

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The source and air pollution control device must be operated in a manner consistent with the manufacturer's specifications and good engineering practice.

[From March 9, 2012, RFD approval]

**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: 111

Source Name: ANNEALING FURNACES (8), ONEX #1 - #6 &amp; REMELT #1, #2

Source Capacity/Throughput:	43.500	MMBTU/HR	
	120.000	Tons/HR	STEEL
	42.647	MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups: 1 - NATURAL GAS COMBUSTION

**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 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: LADLE PREHEATERS FOR MELT SHOP (3)

Source Capacity/Throughput: 18.000 MMBTU/HR  
18.000 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: 1 - NATURAL GAS COMBUSTION  
2 - NORTH & SOUTH BAGHOUSE TESTING

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

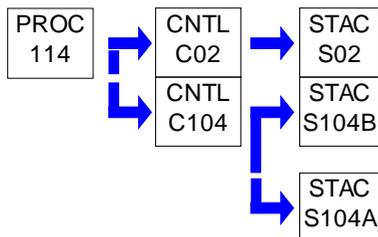
Source ID: 114

Source Name: MELT SHOP INDOOR FUGITIVES

Source Capacity/Throughput:

1.000 Tons/HR

STEEL

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The air duct in the west wall of the melt shop shall be vented to either the North or the South baghouse and shall be operated in accordance with good air pollution control practices.

**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: 115

Source Name: POWDER TORCH

Source Capacity/Throughput:

1.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 6 - SOUTH BAGHOUSE RESTRICTIONS &amp; REQMTS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

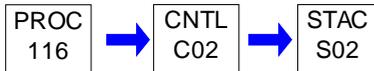
**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: TRIM STATION

Source Capacity/Throughput: 16.000 Tons/HR STEEL

Conditions for this source occur in the following groups: 5 - NORTH BAGHOUSE EMISSION RESTRICTIONS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

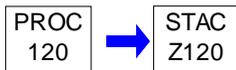
Source ID: 120

Source Name: PARTS WASHER

Source Capacity/Throughput:

1.000 Gal/HR

STODDARD SOLVENT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §129.63]****Degreasing operations**

[From Pa Code 129.63(a)(5)]

(a)(1) - (4) See Work Practice Requirements.

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

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

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

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

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

(7) See Work Practice Requirements.

(b) - (e) See Work Practice 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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §129.63]****Degreasing operations**

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

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

(2) Remote reservoir cold cleaning machines shall:

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

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

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

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

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

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

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

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

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

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

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

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

(5) See Record Keeping Requirements for this source.

(6) See Record Keeping Requirements for this source.

(7) Not Applicable.

(b) - (e) Not Applicable.

**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: 121

Source Name: MISCELLANEOUS NATURAL GAS COMBUSTION

Source Capacity/Throughput: 2.577 MMBTU/HR

2.577 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 1 - NATURAL GAS COMBUSTION

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 1 - NATURAL GAS COMBUSTION

Group Description: Natural gas combustion

Sources included in this group

ID	Name
111	ANNEALING FURNACES (8), ONEX #1 - #6 & REMELT #1, #2
113	LADLE PREHEATERS FOR MELT SHOP (3)
121	MISCELLANEOUS NATURAL GAS COMBUSTION

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The source shall burn only natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The source and control device shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 2 - NORTH &amp; SOUTH BAGHOUSE TESTING

Group Description: Stack testing requirement for North and South baghouses

Sources included in this group

ID	Name
101A	ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)
102	ARGON OXYGEN REFINER (AOD) A
103	ARGON OXYGEN REFINER (AOD) B
104	ELECTRIC ARC FURNACE CHARGING & TAPPING
105	AOD CHARGING & TAPPING
106	INGOT MOLD POURING
113	LADLE PREHEATERS FOR MELT SHOP (3)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.****# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall perform a stack test, using the Department approved procedure for stack testing, 6 to 12 months prior to permit renewal. The stack test shall, at a minimum, test for the following:

- (1) Particulate Matter (PM) (gr/dscf)
- (2) Sulfur Oxide (SO<sub>x</sub>) (ppmv)
- (3) Carbon Monoxide (CO) (pounds per hour)
- (4) Nitrogen Oxide (NO<sub>x</sub>) (pounds per hour)
- (5) Volatile Organic Compounds (VOC) (pounds per hour)

(b) For the purpose of this permit, compliance will be based on the approved stack test protocol.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

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

[Submittal requirements pertaining to Emissions Testing]

[The Department Source Testing Manual is available at this web address:  
<http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=4563> ]

(a) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (8) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter, submitted at least 90 calendar days prior to commencing an emissions testing program, referencing the previously approved procedural protocol is sufficient if the letter is approved by the Department. The letter shall be submitted as required in paragraph (a). If modifications are made to the process(es), if a different stack testing company is

**SECTION E. Source Group Restrictions.**

used, or if an applicable section of the stack test manual has been revised since the approval, a new protocol shall be submitted for approval.

(c) At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (h) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(d) If the proposed testing did not occur per the required notification in paragraph (b) above, an electronic mail notification shall be sent within 15 calendar days after the expected completion date of the onsite testing to the Department, in accordance with paragraph (h) of this condition, indicating why the proposed completion date of the on-site testing was not adhered to.

(e) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.

(f) A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(2) Permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results with respect to each applicable permit condition.

(4) Statement of compliance or non-compliance with each applicable permit condition.

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

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

(h) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3):

(1) All submittals, besides notifications, shall be accomplished through PSIMS\*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, if it is available.

(2) If internet submittal cannot be accomplished, one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager.

(i) Paper copies shall be sent using the following mailing addresses:

CENTRAL OFFICE:  
Pennsylvania Department of Environmental Protection  
Attn: PSIMS Administrator  
P.O. Box 8468  
Harrisburg, PA 17105-8468

NORTHWEST REGIONAL OFFICE:  
Pennsylvania Department of Environmental Protection  
Attn: Air Quality Program Manager  
230 Chestnut St.  
Meadville, PA 16335

**SECTION E. Source Group Restrictions.**

(ii) Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:  
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:  
RA-EPNWstacktesting@pa.gov

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

(j) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) If the results of the required stack test exceed any limit defined in this permit, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the permit, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the permit, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the permit may be grounds for immediate revocation of the permit to operate the affected source.

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 3 - STEELMAKING NESHAP

Group Description: 40 CFR Part 63 Subpart YYYYY - Area Source NESHAP for Electric Arc Furnace Steelmaking

**Sources included in this group**

ID	Name
101A	ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)
102	ARGON OXYGEN REFINER (AOD) A
103	ARGON OXYGEN REFINER (AOD) B
104	ELECTRIC ARC FURNACE CHARGING & TAPPING
105	AOD CHARGING & TAPPING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10686]****Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What are the requirements for electric arc furnaces and argon-oxygen decarburization vessels?**

(a) You must install, operate, and maintain a capture system that collects the emissions from each EAF (including charging, melting, and tapping operations) and argon-oxygen decarburization (AOD) vessel and conveys the collected emissions to a control device for the removal of particulate matter (PM).

(b) [Paragraph (b) of the regulation does not apply to this facility.]

(c) If you own or operate a new or existing affected source that has a production capacity of less than 150,000 tons per year (tpy) of stainless or specialty steel (as determined by the maximum production if specified in the source's operating permit or EAF capacity and maximum number of operating hours per year), you must not discharge or cause the discharge into the atmosphere from an EAF or AOD vessel any gases which:

(1) Exit from a control device and contain particulate matter (PM) in excess of 0.8 pounds per ton (lb/ton) of steel. Alternatively, the owner or operator may elect to comply with a PM limit of 0.0052 grains per dry standard cubic foot (gr/dscf); and

(2) Exit from a melt shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.

(d) [Paragraph 63.10686(d) is a one-time requirement for initial performance testing which is no longer applicable since it was already met with the Aug. 19 - 20, 2010, testing of both North and South baghouses as documented in the Department's Dec. 8, 2010, Source Test Review Memo.]

[Source: 72 FR 74111, Dec. 28, 2007]

[This condition streamlines out PM emission restrictions from 25 Pa. Code §123.13(c)(1)(ii) for Sources 104 and 105. The previous condition allowed PM10 emissions from the listed sources to be 0.030 grains per dry standard cubic foot. In (c)(1) above, PM emissions limits from the control device are 0.8 pounds per ton.]

[The permittee requested a federally-enforceable throughput restriction of less than 150,000 tons per year which was incorporated into the Title V operating permit in the Sept. 29, 2008, renewal issuance; therefore the emission restriction of paragraph 63.10686(b) does not apply, instead the emission restriction of 63.10686(c) applies.]

**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 E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.****# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10685]****Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What are the requirements for the control of contaminants from scrap?**

(a) Paragraph 63.10685(a) is printed under WORK PRACTICE REQUIREMENTS in this section of the permit.

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

(1) Site-specific plan for mercury switches. [This requirement is not applicable since Electralloy has elected to demonstrate compliance with paragraph (b)(3).]

(2) Option for approved mercury programs. [This requirement is not applicable since Electralloy has elected to demonstrate compliance with paragraph (b)(3).]

(3) Option for specialty metal scrap. You must certify in your notification of compliance status that the only materials from motor vehicles in the scrap are materials recovered for their specialty alloy (including, but not limited to, chromium, nickel, molybdenum, or other alloys) content (such as certain exhaust systems) and, based on the nature of the scrap and purchase specifications, that the type of scrap is not reasonably expected to contain mercury switches. [Electralloy provided the certification to 63.10685(b)(3) in the June 8, 2008, submittal of the Notification of Compliance Status.]

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

(c) Recordkeeping and reporting requirements. In addition to the records required by §63.10, you must keep records to demonstrate compliance with the requirements for your pollution prevention plan in paragraph (a)(1) of this section and/or for the use of only restricted scrap in paragraph (a)(2) of this section and for mercury in paragraphs (b)(1) through (3) of this section as applicable. You must keep records documenting compliance with paragraph (b)(4) of this section for scrap that does not contain motor vehicle scrap.

(1) [Paragraph (c)(1) is not applicable since the permittee has elected to demonstrate compliance with 63.10685(b)(3), not (b)(1).]

(2) [Paragraph (c)(2) is not applicable since the permittee has elected to demonstrate compliance with 63.10685(b)(3), not (b)(2).]

(3) You must submit semiannual compliance reports to the Administrator for the control of contaminants from scrap according to the requirements in §63.10(e). The report must clearly identify any deviation from the requirements in paragraphs (a) and (b) of this section and the corrective action taken. You must identify which compliance option in paragraph (b) of this section applies to each scrap provider, contract, or shipment.

[Source: 72 FR 74111, Dec. 28, 2007]

**SECTION E. Source Group Restrictions.****# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10690]****Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What parts of the General Provisions apply to this subpart?**

- (a) You must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) as provided in Table 1 of this subpart. [Refer to regulation for Table 1 to 40 CFR Part 63 Subpart YYYYY.]
- (b) [Paragraph (b) of 40 CFR §63.10690 is a one-time requirement for submittal of Notification of Compliance status which was already met with the June 18, 2008, submittal.]

[Source: 72 FR 74111, Dec. 28, 2007]

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10685]****Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What are the requirements for the control of contaminants from scrap?**

(a) Chlorinated plastics, lead, and free organic liquids. For metallic scrap utilized in the EAF at your facility, you must comply with the requirements in either paragraph (a)(1) or (2) of this section. You may have certain scrap at your facility subject to paragraph (a)(1) of this section and other scrap subject to paragraph (a)(2) of this section provided the scrap remains segregated until charge make-up.

(1) Pollution prevention plan. [Electralloy submitted a Pollution Prevention Plan with the June 18, 2008, Notification of Compliance Status; however, this requirement is not applicable since they have elected to comply with paragraph (a)(2) as indicated in that submittal and subsequent submittals.]

(2) Restricted metallic scrap. For the production of steel other than leaded steel, you must not charge to a furnace metallic scrap that contains scrap from motor vehicle bodies, engine blocks, oil filters, oily turnings, machine shop borings, transformers or capacitors containing polychlorinated biphenyls, lead-containing components, chlorinated plastics, or free organic liquids. For the production of leaded steel, you must not charge to the furnace metallic scrap that contains scrap from motor vehicle bodies, engine blocks, oil filters, oily turnings, machine shop borings, transformers or capacitors containing polychlorinated biphenyls, chlorinated plastics, or free organic liquids. This restriction does not apply to any post-consumer engine blocks, post-consumer oil filters, or oily turnings that are processed or cleaned to the extent practicable such that the materials do not include lead components, chlorinated plastics, or free organic liquids. This restriction does not apply to motor vehicle scrap that is charged to recover the chromium or nickel content if you meet the requirements in paragraph (b)(3) of this section.

(b) - (c) Paragraphs 63.10685(b) and (c) are printed under REPORTING REQUIREMENTS in this section of the permit.

[Source: 72 FR 74111, Dec. 28, 2007]

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 4 - N &amp; S BAGHOUSE MONITORING

Group Description: Monitoring &amp; Reporting Reqmnts from plan approval 61-004D for North and South Baghouses

**Sources included in this group**

ID	Name
101A	ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)
102	ARGON OXYGEN REFINER (AOD) A
103	ARGON OXYGEN REFINER (AOD) B
104	ELECTRIC ARC FURNACE CHARGING & TAPPING
105	AOD CHARGING & TAPPING

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall perform monthly operational status inspections of the equipment that is important to the performance of the total capture system including the fans, pressure sensors, dampers and damper switches. This inspection shall include observations of the physical appearance of the equipment such as the presence of holes in ductwork or hoods and potential flow constrictions. The permittee shall perform an annual visual inspection of the baghouse bags for any tear or damage.

**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall monitor the following parameters at the South EAF Baghouse (C104) and the North Melt Shop Baghouse (C02):

- (a) The pressure drop across the South EAF Baghouse and each compartment of the North Melt Shop Baghouse at least once per 8-hour shift or a minimum of three times a day.
- (b) The approved frequency fan amperage and associated damper positions (dampers located closest to the fans and control device) at least once per 8-hour shift or a minimum of three times a day.

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

An inspection/ maintenance log shall be maintained on the control devices (C104 and C02). The permittee shall maintain records, from the monthly operational status inspections, of the following:

- (1) Monthly operational status inspections,
- (2) Any deficiencies found,
- (3) Any repairs made, and
- (4) Maintenance performed (including bag change-out).

This log shall be kept on file for a minimum of 5 years and made available to the Department upon request.

**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall record at least once per 8-hour shift or a minimum of 3 times a day the approved indicator(s) using approved data collecting device(s).

- The approved data collecting device(s) is manual log entries based on gauge, amp indicator and damper position readings.

**SECTION E. Source Group Restrictions.**

- (b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.
- (c) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.
- (d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.
- (e) The permittee shall keep all records for a period of 5 years and make the records available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall submit to the Department, annually, the following:

- (1) Any deficiencies found during the monthly operational status inspections; and
- (2) Maintenance performed during the monthly operational status inspections.

**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every 6 months.
- (b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, possible causes, and corrective actions taken every 6 months.

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall adhere to the approved range for the selected indicators so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

- (1) The approved range for the pressure drop for the North Baghouse is 2.6 to 12.5 inches of water column.
- (2) The fan amperage range for the North Baghouse is 41.4 to 58.3 amps.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 5 - NORTH BAGHOUSE EMISSION RESTRICTIONS

Group Description: Emission Restrictions &amp; Work Practices for the North Baghouse from plan approval 61-004D

**Sources included in this group**

ID	Name
101A	ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)
102	ARGON OXYGEN REFINER (AOD) A
103	ARGON OXYGEN REFINER (AOD) B
104	ELECTRIC ARC FURNACE CHARGING & TAPPING
105	AOD CHARGING & TAPPING
106	INGOT MOLD POURING
116	TRIM STATION

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the North Melt Shop baghouse in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

(a) Total allowable emission limits for the North Melt Shop Baghouse (Control C02) are:

- (1) Total allowable particulate emission concentration is 0.0052 gr/dscf.
- (2) Total allowable particulate emission rate of 7.86 lb/hr.

(b) The total allowable twelve month rolling sum of Particulate Matter/PM<sub>10</sub> is 34.43 ton per year calculated using the results of the most recent compliant stack test multiplied by hours of production during a consecutive 12 month period.

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The opacity from the North EAF Baghouse (C02) may not exceed 10 percent.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Two hundred and eighty-eight spare bags or the total number of bags used in one compartment of the North Meltshop Baghouse (C02) are required to be kept on site.

**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The approved range for the pressure drop for the North Baghouse is 2.6 to 12.5 inches of water column.

(b) The fan amperage range for the North Baghouse is 41.4 to 58.3 amps.

**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall perform a weekly preventive maintenance inspection of the North Meltshop Baghouse (C02).

(b) The North Meltshop Baghouse (C02) shall be operated whenever the EAF, AODs or Trim station are in operation or as needed otherwise.

(c) The permittee shall maintain and operate the sources and the control device in accordance with the manufacturer's specifications or specifications developed by the facility and good air pollution control practices. The facility shall maintain a copy of the manufacturer's specifications on-site or a copy of the specifications developed by the facility.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 6 - SOUTH BAGHOUSE RESTRICTIONS &amp; REQMTS

Group Description: Emission Restrictions and Monitoring Reqmts for South Baghouse from plan approval 61-004D

**Sources included in this group**

ID	Name
101A	ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)
102	ARGON OXYGEN REFINER (AOD) A
103	ARGON OXYGEN REFINER (AOD) B
104	ELECTRIC ARC FURNACE CHARGING & TAPPING
105	AOD CHARGING & TAPPING
115	POWDER TORCH

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the South EAF Baghouse in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) Total allowable emission limits for the South EAF Baghouse (Control C104) are:

- (1) Total allowable particulate emission concentration is 0.0052 gr/dscf.
- (2) Total allowable particulate emission rate of 9.7 lb/hr.

(b) The total allowable twelve month rolling sum of Particulate Matter/PM<sub>10</sub> is 42.5 ton per year calculated using the results during the most recent compliant stack test multiplied by hours of production during a consecutive 12 month period.

**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The opacity from the South EAF Baghouse (C104) may not exceed 10 percent.

**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 §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall perform a U.S.EPA Reference daily Method 22-like observations of both stacks (S104A and S104B) leading from the South EAF Baghouse (C104) while the EAF is in operation, during each day the source is operated. The absence of any visible emissions will indicate proper operation of the control device. If visible emissions are detected at any time, U.S. EPA Reference Method 9-like procedure shall be performed within 24 hours. The protocols for conducting the Method 22-like and Method 9-like observations shall be approved by the Department. The protocols shall be kept on site and made available to Department Personnel upon request.

(b) If any visible emissions occur during stack testing or during normal operations, the Department reserves the right to require a continuous monitoring system for the measurement of opacity of emissions discharged into the atmosphere from both stacks (S104A and S104B) leading from the South EAF Baghouse (C104).

(c) Records of the visual emissions and visible determinations of opacity shall be kept on file for five years and shall be

**SECTION E. Source Group Restrictions.**

made available to the Department personnel upon request.

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The approved range for the pressure drop for the South Baghouse is 2.5 to 7.8 inches of water column.

(b) The fan amperage range for the South Baghouse is 450.0 to 626.0 amps

**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Three hundred and forty-two spare bags or the total number of bags used in one compartment of the South EAF Baghouse (C104) are required to be kept on site.

**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall perform a weekly preventive maintenance inspection of the South EAF Baghouse (C104).

(b) The permittee shall operate the South EAF Baghouse (C104) at all times any source is in operation that is controlled or partially controlled by that control device or as needed.

(c) The permittee shall maintain and operate the sources and the control device in accordance with the manufacturer's specifications and good air pollution control practices. The facility shall maintain a copy of the manufacturer's specifications on-site.

**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 F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
101A	ELECTRIC ARC FURNACE W/ COJET SYSTEM (EAF)		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry Basis, NORTH MELTSHOP BAGHOUSE	SOX
500.000	PPMV	Dry, SOUTH EAF BAGHOUSE	SOX
0.005	gr/DRY FT3	from subpart YYYYY	TSP
0.800	Lbs/Tons	steel	TSP
7.860	Lbs/Hr	NORTH MELTSHOP BAGHOUSE	TSP
9.700	Lbs/Hr	SOUTH EAF BAGHOUSE	TSP
34.430	Tons/Yr	NORTH MELTSHOP BAGHOUSE	TSP
42.500	Tons/Yr	SOUTH EAF BAGHOUSE	TSP
102	ARGON OXYGEN REFINER (AOD) A		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry Basis, NORTH MELTSHOP BAGHOUSE	SOX
500.000	PPMV	Dry, SOUTH EAF BAGHOUSE	SOX
0.005	gr/DRY FT3	from subpart YYYYY	TSP
0.800	Lbs/Tons	steel	TSP
7.860	Lbs/Hr	NORTH MELTSHOP BAGHOUSE	TSP
9.700	Lbs/Hr	SOUTH EAF BAGHOUSE	TSP
34.430	Tons/Yr	NORTH MELTSHOP BAGHOUSE	TSP
42.500	Tons/Yr	SOUTH EAF BAGHOUSE	TSP
103	ARGON OXYGEN REFINER (AOD) B		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry Basis, NORTH MELTSHOP BAGHOUSE	SOX
500.000	PPMV	Dry, SOUTH EAF BAGHOUSE	SOX
0.005	gr/DRY FT3	from subpart YYYYY	TSP
0.800	Lbs/Tons	steel	TSP
7.860	Lbs/Hr	NORTH MELTSHOP BAGHOUSE	TSP
9.700	Lbs/Hr	SOUTH EAF BAGHOUSE	TSP
34.430	Tons/Yr	NORTH MELTSHOP BAGHOUSE	TSP
42.500	Tons/Yr	SOUTH EAF BAGHOUSE	TSP
104	ELECTRIC ARC FURNACE CHARGING & TAPPING		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry Basis, NORTH MELTSHOP BAGHOUSE	SOX
500.000	PPMV	Dry, SOUTH EAF BAGHOUSE	SOX
0.005	gr/DRY FT3	from subpart YYYYY	TSP
0.800	Lbs/Tons	steel	TSP
7.860	Lbs/Hr	NORTH MELTSHOP BAGHOUSE	TSP
9.700	Lbs/Hr	SOUTH EAF BAGHOUSE	TSP
34.430	Tons/Yr	NORTH MELTSHOP BAGHOUSE	TSP
42.500	Tons/Yr	SOUTH EAF BAGHOUSE	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
105	AOD CHARGING & TAPPING		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry Basis, NORTH MELTSHOP BAGHOUSE	SOX
500.000	PPMV	Dry, SOUTH EAF BAGHOUSE	SOX
0.005	gr/DRY FT3	from subpart YYYYY	TSP
0.800	Lbs/Tons	steel	TSP
7.860	Lbs/Hr	NORTH MELTSHOP BAGHOUSE	TSP
9.700	Lbs/Hr	SOUTH EAF BAGHOUSE	TSP
34.430	Tons/Yr	NORTH MELTSHOP BAGHOUSE	TSP
42.500	Tons/Yr	SOUTH EAF BAGHOUSE	TSP
106	INGOT MOLD POURING		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry Basis, NORTH MELTSHOP BAGHOUSE	SOX
7.860	Lbs/Hr	NORTH MELTSHOP BAGHOUSE	TSP
34.430	Tons/Yr	NORTH MELTSHOP BAGHOUSE	TSP
108	TUMBLEBLAST		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
110	ELECTRO SLAG REMELTING (ESR) #1		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
110A	ELECTRO SLAG REMELTING (ESR) #2		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.282	Tons/Yr		PM10
0.040	gr/DRY FT3		TSP
111	ANNEALING FURNACES (8), ONEX #1 - #6 & REMELT #1, #2		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SOX
113	LADLE PREHEATERS FOR MELT SHOP (3)		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	dry basis	SOX
115	POWDER TORCH		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry, SOUTH EAF BAGHOUSE	SOX
9.700	Lbs/Hr	SOUTH EAF BAGHOUSE	TSP
42.500	Tons/Yr	SOUTH EAF BAGHOUSE	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
116	TRIM STATION		
Emission Limit		Pollutant	
500.000	PPMV	Dry Basis, NORTH MELTSHOP BAGHOUSE	SOX
7.860	Lbs/Hr	NORTH MELTSHOP BAGHOUSE	TSP
34.430	Tons/Yr	NORTH MELTSHOP BAGHOUSE	TSP
121	MISCELLANEOUS NATURAL GAS COMBUSTION		
Emission Limit		Pollutant	
500.000	PPMV	dry basis	SOX

**Site Emission Restriction Summary**

Emission Limit	Pollutant	
50.000 Tons/Yr	based on a 12-month rolling total	
	VOC	

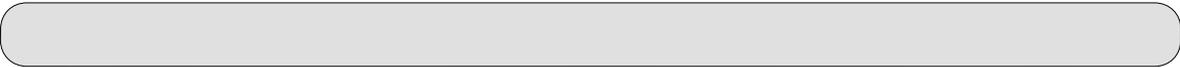
**SECTION H. Miscellaneous.**

- (a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restrictions section for each source and source group and in Section C. The emission limitations contained in Section G of this permit are for informational purposes and are not to be considered as enforceable limits.
- (b) Source ID: Department assigned ID number for the source  
Source Name: Department assigned name for the source  
Capacity/Throughput: The maximum capacity or throughput for the source (not a limit)  
Fuel/Material: The fuel/material assigned to SCC for the source  
Schematics:  
FML: Fuel material location  
CU: Combustion Unit source  
PROC: Process  
CNTL: Control device  
STAC: Emission point / Stack
- (c) For the purpose of this permit, Source 121, Miscellaneous Natural Gas Combustion (Was previously permit ID 031) consists of the following:
- a 2.177 million btu/hr space heater for comfort heating in the remelt shop;
  - two - 0.4 million btu/hr space heaters for comfort heating in the maintenance shop.
- (d) For the purpose of this permit, Source 111 (Annealing Furnaces Onex 1-6 & Remelt 1-2) consists of the following furnaces identified at the facility as Onex 1 through Onex 6 located in the Shipping Building and Remelt 1 & Remelt 2 located in the Remelt Building:
- Onex 1 through 6, each rated at 4,350,000 Btu/hr, located in Shipping building;
  - Remelt 1 & Remelt 2, each rated at 8,700,000 Btu/hr, located in Remelt building.
- (e) For the purpose of this permit, Source 112 (Granular Metal Process) consists of the following equipment. This source is removed from the permit at the May 30, 2014, renewal issuance because it has been idle for more than one year.
- Granular Metal Process
  - Tundish preheater (0.5 million btu/hr natural gas)
  - Natural gas fired dryer (4.5 million btu/hr)
- (f) For the purpose of this permit, Source 113 (Ladle Preheaters for the Melt Shop) consists of the following:
- Three - 6 million btu/hr natural gas ladle preheaters
- (g) The following sources have minor emissions and no applicable emission, testing, monitoring, recordkeeping, or reporting requirements:
- Grinding operations for ingot finishing
  - Pig machine for making small ingots
  - Cooling towers for the melt shop and the remelt shop non-contact cooling water
  - Alloy and raw material handling
  - Used oil tanks (maintenance area)
  - Diesel fuel tank (maintenance area)
  - Slag handling
  - Baghouse dust handling
  - Refractory brick cutting
  - Water tank for remelt shop
  - Roadways
  - Air compressor for shop air
  - Battery chargers for heavy equipment
  - Steam vent from powdered metal operation
  - Water type quench tank in remelt
  - Torches and welding equipment (ancillary)
- (h) This facility is not subject to 40 CFR Part 60 Subpart AA -- Standards of Performance for Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974, and On or Before August 17, 1983 – because construction was commenced in 1968 and there has been no modification or reconstruction as defined in Part 60.

**SECTION H. Miscellaneous.**

This facility is not subject to 40 CFR Part 60 Subpart AAs -- Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983 -- because the EAF was constructed in 1968 and the AOD's were constructed in 1971 and there have been no modifications or reconstructions as defined in Part 60.

- (i) This Operating Permit No. 61-00004 was originally issued on October 14, 1997, effective on October 31, 1997, and expires on October 31, 2002. Revision No. 1, issued on February 24, 1999, was an administrative amendment to incorporate Sources 109, 110, & 111 from plan approval PA-61-004A. Revision No. 2, issued on March 7, 2002, was an administrative amendment to incorporate Source 112 from plan approval PA-61-004B. This Operating Permit was reissued on October 31, 2002, effective on October 31, 2002, and expires on October 31, 2007. As part of the renewal process, included CAM conditions for the EAF and AOD scrubber and the tumbleblast baghouse. Revision No. 3 issued on May 2, 2006, was for a minor modification to incorporate five (5) 4.5 mmbtu/hr natural gas anneal furnaces.
- (j) An RFD was submitted on September 28, 2006 for the replacement of the 25 ton crane with a 50 ton crane. This RFD was exempted from Plan Approval by George Monasky on October 3, 2006 because no increase in production was expected due to this change.
- (k) This permit was reissued on September 29, 2008. The conditions from Plan Approval 61-004C were incorporated into the permit. Plan Approval 61-004C was for the addition of a Praxair CoJet (TM) gas injection system on the Electric Arc Furnace. [Plan approval 61-004C contained only a one-time testing requirement which has been met; therefore, the condition from plan approval 61-004C has been removed from the Title V operating permit.
- (l) Source 106 (Ingot Mold Pouring Area) and 107 (Anneal Furnace #1) emissions are controlled by C02 (North Melt Shop Baghouse) when it is in operation. When the baghouse is not running, these emissions are fugitive. Emissions for these sources are controlled by the baghouse 99% of the time.
- (m) This permit was administratively amended on March 18, 2011 to incorporate the conditions from plan approval 61-004D.
- (n) The following regulations are incorporated into this permit by reference to the regulation.
- 40 CFR §63.10690, Enforcement of Subpart YYYYY, NESHAPS for Electric Arc Furnace Steelmaking Area Sources;
  - 40 CFR §63.10691, Definitions to Subpart YYYYY, NESHAPS for Electric Arc Furnace Steelmaking Area Sources;
  - Table 1 to 40 CFR Part 63 Subpart YYYYY, NESHAPS for Electric Arc Furnace Steelmaking Area Sources -- Applicable General Provisions of Part 63.
- (o) Source 107, annealing furnace #1, is removed from the permit at the May 30, 2014, renewal issuance because it is off-site for repair.
- (p) Sources 117 & 118 are removed from the permit at the May 30, 2014, renewal issuance because these 2 source ID's are redundant since they are the same furnaces that comprise Source 111.
- (q) This Title V permit renewal effective May 30, 2014, is issued on May 30, 2014.
- (r) This permit was modified on September 6, 2017 to incorporate an emission limit and throughput limit for VOC emissions to consider the facility an area source of VOC emissions and not subject to RACT 2 requirements.
- (s) This permit renewal, effective November 12, 2019, is issued on November 12, 2019.



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

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