



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: January 4, 2013

Effective Date: January 4, 2013

Expiration Date: January 4, 2018

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: 65-00016

Federal Tax Id - Plant Code: 25-0610595-1

Owner Information

Name: LATROBE SPECIALTY METALS A CARPENTER CO
Mailing Address: PO BOX 31
2626 LIGONIER ST
LATROBE, PA 15650-0031

Plant Information

Plant: LATROBE SPECIALTY METALS/ A CARPENTER CO
Location: 65 Westmoreland County 65004 Latrobe Borough
SIC Code: 3312 Manufacturing - Blast Furnaces And Steel Mills

Responsible Official

Name: RICH TINSMAN
Title: VP OPERATIONS
Phone:

Permit Contact Person

Name: RICH WALKER
Title: MANAGER EH&S
Phone: (724) 532 - 6359

[Signature] _____
MARK A. WAYNER, SOUTHWEST REGION AIR PROGRAM MANAGER



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General Title V Requirements

- #001 Definitions
- #002 Property Rights
- #003 Permit Expiration
- #004 Permit Renewal
- #005 Transfer of Ownership or Operational Control
- #006 Inspection and Entry
- #007 Compliance Requirements
- #008 Need to Halt or Reduce Activity Not a Defense
- #009 Duty to Provide Information
- #010 Reopening and Revising the Title V Permit for Cause
- #011 Reopening a Title V Permit for Cause by EPA
- #012 Significant Operating Permit Modifications
- #013 Minor Operating Permit Modifications
- #014 Administrative Operating Permit Amendments
- #015 Severability Clause
- #016 Fee Payment
- #017 Authorization for De Minimis Emission Increases
- #018 Reactivation of Sources
- #019 Circumvention
- #020 Submissions
- #021 Sampling, Testing and Monitoring Procedures
- #022 Recordkeeping Requirements
- #023 Reporting Requirements
- #024 Compliance Certification
- #025 Operational Flexibility
- #026 Risk Management
- #027 Approved Economic Incentives and Emission Trading Programs
- #028 Permit Shield

Section C. Site Level Title V Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level Title V Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!



SECTION A. Table of Contents

Section E. Source Group Restrictions

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

Section G. Emission Restriction Summary

Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	THERM-I-VAC FURNACE BOILER	24.000 MMBTU/HR	
		25.000 MCF/HR	Natural Gas
043	MISCELLANEOUS COMFORT HEAT, HOT WATER HT	10.000 MMBTU/HR	
		10.000 MCF/HR	Natural Gas
051	TWO (2) NATURAL GAS FIRED BOILERS - VIMVAR	27.560 MMBTU/HR	
101	1- ELECTRIC ARC FURNACE (FURNACE B)	15.000 Tons/HR	STEEL
101A	LADLE FURNACE (FORMERLY EAF A)		
102	AOD VESSEL REFINING	30.000 Tons/HR	STEEL
103	TEEMING - INGOT POURING	15.000 Tons/HR	STEEL
104	NO 10 ELECTRO-SLAG REMELT	20.000 Tons/HR	STEEL SLAG
105	VACARC WELDING & SCARFING	15.000 Each/HR	STEEL ELECTRODS
106	MESTA PRESS HOT WORKING	25.000 Tons/HR	STEEL
107	#8 MIDWEST GRINDER	10.000 Tons/HR	STEEL
108	PRECISION FORGING MACHINE	8.000 Tons/HR	STEEL
109	PFF ABRASIVE HOT SAW	8.000 Tons/HR	STEEL
110	1-MIDWEST GRINDER - #7	15.000 Tons/HR	STEEL
110A	#10 MIDWEST GRINDER	15.000 Tons/HR	STEEL
111	GRINDING OPERATIONS	10.000 Tons/HR	STEEL
112	SAW CUTTING/HOT SAW - CRM	20.000 Tons/HR	STEEL
113	HOT ROLLING - CRM	8.000 Tons/HR	STEEL
114	HCL ACID ETCH	N/A	HCL
115	MELT SHOP FURNACES	1.000 Tons/HR	STEEL
		32.700 MCF/HR	Natural Gas
116	MELT SHOP-#1 CARBOTTOM FURNACE	1.000 Tons/HR	STEEL
		29.600 MCF/HR	NATURAL GAS
117	MELT SHOP-#2 CARBOTTOM FURNACE	1.000 Tons/HR	STEEL
		29.600 MCF/HR	Natural Gas
118	HEATING/COOLING FURNACES MESTA PRESS	5.000 Tons/HR	STEEL
		171.400 MCF/HR	Natural Gas
119	#7 MESTA PRESS CARBOTTOM FURNACE	0.500 Tons/HR	STEEL
		29.600 MCF/HR	Natural Gas
120	#55 MESTA PRESS CARBOTTOM FURNACE	0.410 Tons/HR	STEEL
		8.400 MCF/HR	Natural Gas
121	#50 & #56 MESTA PRESS HOMOGENIZING FCES	2.500 Tons/HR	STEEL (EACH)
		15.600 MCF/HR	GAS (EACH)
122	HEATING & ANNEALING FCES(FORMER SACK PRS	3.000 Tons/HR	STEEL
		101.200 MCF/HR	Natural Gas
123	16" ROLLING MILL HEATING & COOLING FURNS	1.000 Tons/HR	STEEL
		36.500 MCF/HR	Natural Gas
124	12" ROLLING MILL HEAT & COOL FURNACES	1.000 Tons/HR	STEEL
		27.300 MCF/HR	Natural Gas

**SECTION A. Site Inventory List**

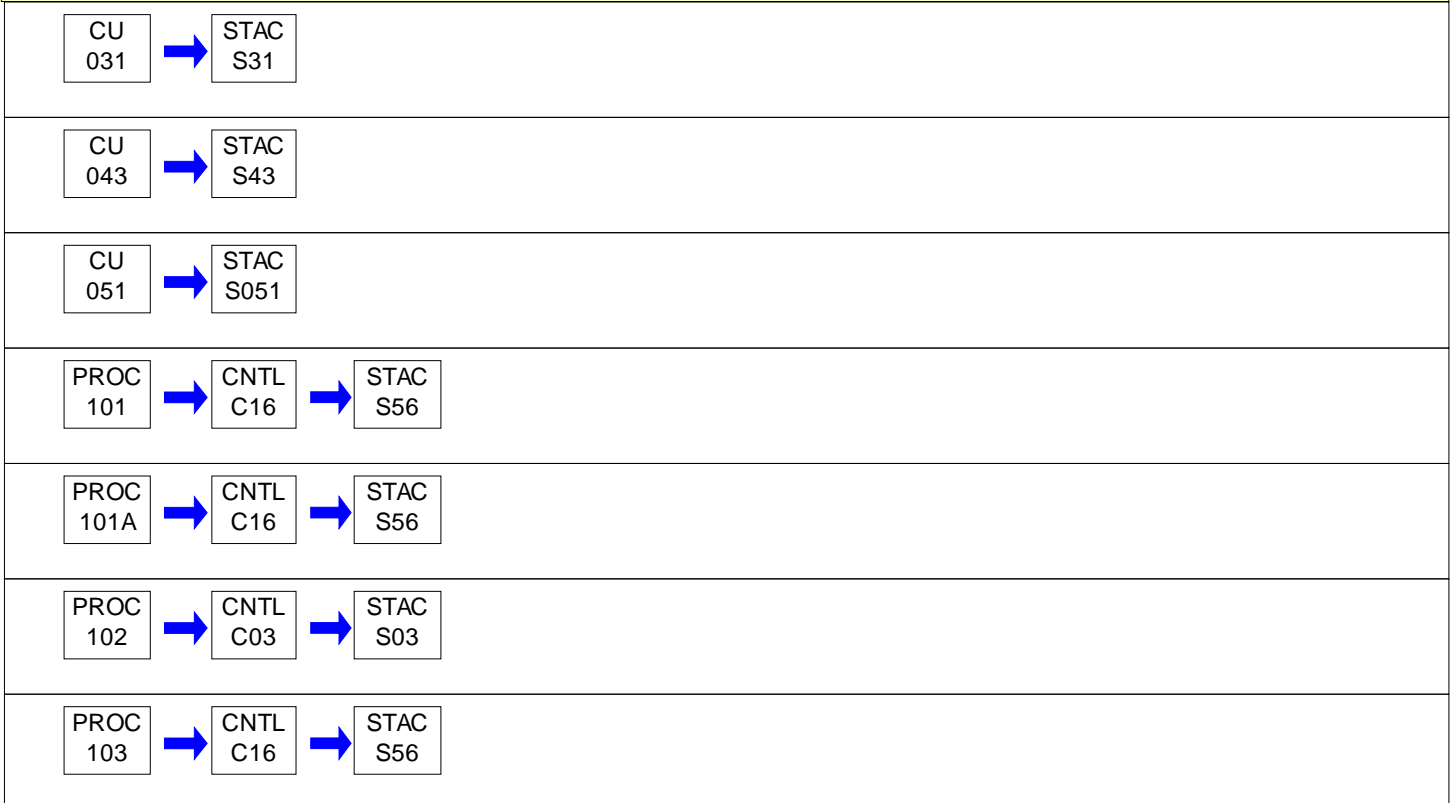
Source ID	Source Name	Capacity/Throughput	Fuel/Material
125	9" ROLLING MILL HEATING & COOLING FURNS	0.500 Tons/HR	STEEL
		8.300 MCF/HR	Natural Gas
126	ANNEALING/HEAT TREAT FURNACES	90.300 MMBTU/HR	
		3.000 Tons/HR	STEEL
		90.300 MCF/HR	Natural Gas
127	COLD ROLL FINISHING FURNACES (COILS)	1.000 Tons/HR	STEEL
		25.500 MCF/HR	Natural Gas
130	(2) STRESS RELIEF FCES - CONT. ROLL MILL	0.500 Tons/HR	STEEL (EACH)
		3.750 MCF/HR	GAS (EACH)
131	PRECISION FORGING FACILITY FURNACES	3.000 Tons/HR	STEEL
		74.400 MCF/HR	Natural Gas
132	#0 BOX FCE - PRECISION FORGING FACILITY	2.200 Tons/HR	STEEL
		14.000 MCF/HR	Natural Gas
133	VACUUM ARC REMELT FURNACES (16)	5.000 Tons/HR	STEEL
134	CRUCIBLE CLEANER SHOT BLASTER	40.000 Tons/HR	
136	BILLET DESCALING (ROTOBLAST) MACHINE	1.000 Tons/HR	
137	WET ABRASIVE CUTOFF SAW (HOT MILL)	2.300 Tons/HR	
138	MISC HOT ROLLING & HOT SHEARING	1.400 Tons/HR	STEEL ROLLING (TOTAL)
		1.400 Tons/HR	STEEL SHEARING (TOTAL)
139	PICKLE TANKS	9.170 Tons/HR	STEEL
140	SLAG HANDLING BUILDING	1.250 Tons/HR	STEEL SLAG
141	VEHICLE TRAVEL	3.400 Each/HR	VEHICLE MILES TRAVELE
142	TWO ANNEALING FURNACES	13.000 MMBTU/HR	
143	CUMMINS EMERGENCY ENGINE		
201	VIM FURNACE		
202	VAR FURNACES / VIM-VAR		
203	TWO (2) CAR BOTTOM ANNEALING FURNACES - VIM/VAR	16.800 MMBTU/HR	
204	CRUCIBLE & TWO (2) TUNDISH PRE-HEATERS - VIM/VAR	4.300 MMBTU/HR	
205	GRINDING AREA - VIM/VAR		
206	CRUCIBLE CLEANING STATION - VIM/VAR		
207	WELDING STATION - VIM/VAR		
C03	PECOR BAGHOUSE AOD FURN		
C04	NO. 10 ELECTRO SLAG REMELT BAGHOUSE		
C05	VACARC WELDING & SCARFING BAGHOUSE		
C07A	#8 MIDWEST GRINDER BAGHOUSE (NEW)		
C08	PRECISION FORGING MACHINE BAGHOUSE		
C09	PFF ABRASIVE HOT SAW (BRAUN) BAGHOUSE		
C10	1-MIDWEST GRINDER BAGHOUSE (STANDARD HAVENS)		
C11	GRINDING OPERATIONS BAGHOUSE		
C12	CRUCIBLE CLEANER SHOT BLAST WET		

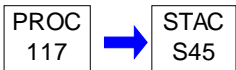
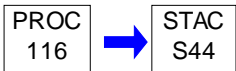
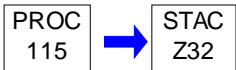
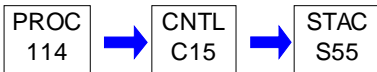
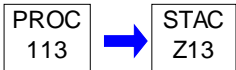
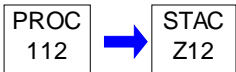
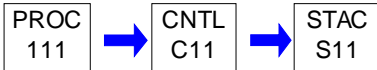
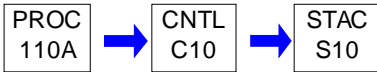
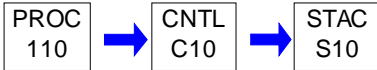
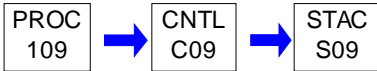
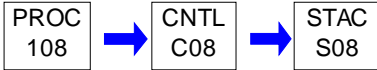
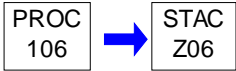
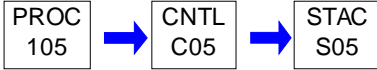
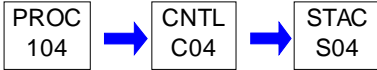
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
	SCRUBBER		
C13	BILLET DESCALING MACHINE BAGHOUSE		
C139	PICKLE TANKS SCRUBBER		
C14	WET ABRASIVE CUTOFF SAW SCRUBBER		
C15	ACID ETCH LINE SCRUBBER		
C16	EAF BAGHOUSE		
C205	GRINDING AREA BAGHOUSE		
C206	CRUCIBLE CLEANING STATION SCRUBBER		
C207A	WELDING STATION BAGHOUSE A		
C207B	WELDING AREA BAGHOUSE B		
S03	PECOR STACK		
S04	ESR FURN STACK		
S05	VACARC WELDING & SCARFING		
S051	BOILER STACKS		
S07A	#8 MIDWEST GRINDER BAGHOUSE (NEW) STACK		
S08	PFF STACK		
S09	PFF HOT SAW STACK		
S10	BAGHOUSE STACK (STANDARD HAVENS)		
S11	COMBINED GRINDER ST		
S139	PICKLE TANKS SCRUBBER STACK		
S143	CUMMINS EMERGENCY ENGINE STACK		
S203	TWO (2) VIM/VAR ANNEALING FURNACES STACKS		
S204	VIM/VAR CRUCIBLE & TWO (2) TUNDISH PRE-HEATERS STACKS		
S205	GRINDING AREA BAGHOUSE STACK		
S206	CRUCIBLE CLEANING SCRUBBER STACK		
S207A	WELDING AREA BAGHOUSE A STACK		
S207B	WELDING AREA BAGHOUSE B STACK		
S31	TIV BOILER STACK		
S35	16" ROLLING MIL FURN		
S36	12" ROLLING MILL FURNS		
S37	9" ROLLING MILL FURN		
S38	ANNEALING/HEAT TREAT		
S39	COLD ROLL FINISH FURN		
S42	PFF FURNACES		
S43	MISCELLANEOUS HEATERS		
S44	MELT SHOP #1 CB FCE STACK		
S45	MELT SHOP #2 CB FCE STACK		
S46	MESTA PRS #7 CB FCE STACK		
S47	MESTA PRS #55CB FCE STACK		
S48	#50/#56 HOMO. FCES STACK		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S50	2 STRESS RELIEF FCE STACK		
S51	#0 (PFF) FURNACE STACK		
S52	CRUCIBLE SCRUBBER STACK		
S53	BILLET DESCALING STACK		
S54	WET ABRASIVE CUTOFF STACK		
S55	ACID ETCH LINE STACK		
S56	EAF BAGHOUSE STACK		
Z06	MESTA PRESS FUG VOC		
Z12	HOT SAW - CRM		
Z13	HOT ROLLING - FUGITIVE		
Z133	VACUUM ARC REMELT FUGIT.		
Z138	MISC ROLLING/SHEARING FUG		
Z140	SLAG HANDLING FUGITIVES		
Z141	VEHICULAR TRAFFIC FUGITIVES		
Z32	MELT SHOP FURNACE FUGITIVES		
Z33	HEATING/COOLING FURNACES MESTA PRESS FUGITIVES		
Z34	HEAT & ANNEAL FCES(FORMER SACK PRESS) STACK		

PERMIT MAPS

PERMIT MAPS

PERMIT MAPS

PROC 118 → STAC Z33

PROC 119 → STAC S46

PROC 120 → STAC S47

PROC 121 → STAC S48

PROC 122 → STAC Z34

PROC 123 → STAC S35

PROC 124 → STAC S36

PROC 125 → STAC S37

PROC 126 → STAC S38

PROC 127 → STAC S39

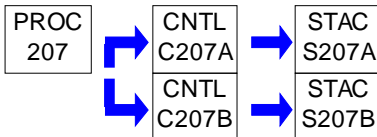
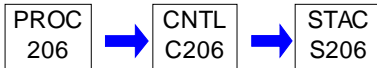
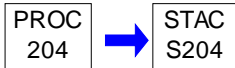
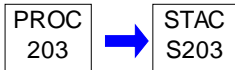
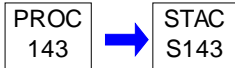
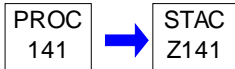
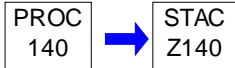
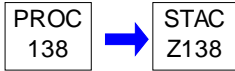
PROC 130 → STAC S50

PROC 131 → STAC S42

PROC 132 → STAC S51

PROC 133 → STAC Z133

PROC 134 → CNTL C12 → STAC S52

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 § 127.512(c)(4)]**Property Rights**

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

#003 [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.

#004 [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.

#005 [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.

#006 [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.

#007 [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.

#008 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

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

**SECTION B. General Title V Requirements****#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

- (a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.
- (b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#010 [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.

#011 [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.

#012 [25 Pa. Code § 127.541]**Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

**SECTION B. General Title V Requirements****#013 [25 Pa. Code §§ 121.1 & 127.462]****Minor Operating Permit Modifications**

- (a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.
- (b) 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 an operational flexibility change authorized by 25 Pa. Code § 127.462.

#014 [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), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.
- (b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [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.

#016 [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).
- (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).

**SECTION B. General Title V Requirements****#017 [25 Pa. Code §§ 127.14(b) & 127.449]****Authorization for De Minimis Emission Increases**

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

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.
- (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

**SECTION B. General Title V Requirements**

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) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(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.

#018 [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).

#019 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**SECTION B. General Title V Requirements****#020 [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.

#021 [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.

#022 [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.

#023 [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 #020(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.

#024 [25 Pa. Code § 127.513]**Compliance Certification**

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]**Operational Flexibility**

(a) 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:

**SECTION B. General Title V Requirements**

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [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

SECTION B. General Title V Requirements

of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 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).

#027 [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.

#028 [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 on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

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

There shall be no fugitive emissions from the facility contrary to Title 25 PA Code §123.1 and §123.2.

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

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified herein if the emissions are visible at the point the emissions pass outside the person's property.

[Compliance with this condition ensures compliance with Plan Approval #PA-65-016E, Condition #6.]

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

The Owner/Operator shall 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 facility.

004 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

005 [25 Pa. Code §129.14]**Open burning operations**

(a) No person may permit the open burning of material in a manner that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the owner/operator.
- (2) Malodorous air contaminants from the open burning are detectable outside the property of the owner/operator.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b)EXCEPTIONS: The requirements stated in 1-5 do not apply where the open burning operations result from:

- (1) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (2) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (3) A fire set solely for recreational or ceremonial purposes.
- (4) A fire set solely for cooking food.
- (5) 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.

**SECTION C. Site Level Requirements**

(c) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this applicable requirement 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) notwithstanding clearing and grubbing wastes may be burned 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.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes that have been transported.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §139.11]

General requirements.

All stack testing required by this authorization shall be done in accordance with the following provisions:

(a) Pursuant to 25 Pa. Code § 139.3 at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

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

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

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

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

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

**SECTION C. Site Level Requirements**

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

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecomm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

(i) The permittee shall insure 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.

III. MONITORING REQUIREMENTS.**# 007 [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.

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

The Owner/Operator shall perform a daily inspection for the presence of visible stack emissions, fugitive emissions, and malodorous emissions from the emission sources at this facility. Records of the inspections shall be maintained in a log and include any corrective actions taken.

009 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

Visible observations required herein for any opacity greater than 0% must be performed by a qualified visible emissions evaluator certified in EPA Reference Method 9, found in 40 CFR Part 60, Appendix A.

010 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The Owner/Operator shall perform visual observations of stack opacity from sources with an applicable opacity standard on a daily basis to ensure compliance with Ch.123.41 or any other alternative applicable opacity standard in accordance with the following procedures:

- 1) US EPA Reference Method 9 readings shall be taken for no less than 15 minutes for any observed opacity greater than 0% from any natural gas fired combustion source (i.e., furnaces, boilers, etc.) which exhausts to the outdoor atmosphere. No Method 9 readings are required if no opacity is noticed during the initial visual observation.
- 2) Method 9 readings shall be taken for no less than 15 minutes for any observed opacity greater than 0% from any scrubber or baghouse which exhausts to the outdoor atmosphere. A minimum of one (1) 6-minute average of Method 9 readings is required if no opacity is noticed during the initial observation.
- 3) For those sources which exhaust indoors, Method 9 readings shall be taken for no less than 15 minutes for any observed opacity greater than 0% from the building exhaust outlet(s). No Method 9 readings are required if no opacity is noticed during the initial visual observation.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

All logs and required records shall be maintained on site for a minimum of five years and shall be made available to the Department upon request.

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

The Owner/Operator shall maintain records of: operating hours, annual coal consumption and annual natural gas consumption. These records shall be maintained on file for not less than five years and shall be made available to the Department upon request.

013 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain records of all visual observations performed. These records shall include the date, time, name and title of the observer, incidents where the stack opacity of the respective sources equals or exceeds 20 percent or any other applicable opacity standard and any action taken as a result of these opacity observations.

014 [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 135.21 (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.**# 015 [25 Pa. Code §127.442]****Reporting requirements.**

(a) The owner or operator shall report each malfunction to the Department that occurs at this Title V facility. For purposes of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process to operate in a normal or usual manner that may result in an increase in air emissions.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or harm to the environment, the notification shall be submitted to the Department no later than one hour after the incident.

(1) The notice shall describe the:

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

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

(3) Subsequent to the malfunction, the owner or operator shall submit a full report on the malfunction to the Department

SECTION C. Site Level Requirements

within 15 days, if requested.

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

(c) Malfunctions shall be reported to the Department at the following address:

PADEP
Office of Air Quality
400 Waterfront Drive
Pittsburgh, PA 15222-4745
(412)442-4000

016 [25 Pa. Code §135.21]
Emission statements

(a) The owner or operator 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.

(b) Annual emission statements are due by March 1 for the preceeding calendar year beginning with March 1, 1993 for calendar year 1992. Statements shall provide data consistent with requirements and guidance developed by the EPA. The guidance is available from:

United States Environmental Protection Agency
401 M. Street, S.W.
Washington, D.C. 20460

(c) The Department may require more frequent submittals upon determination 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.

017 [25 Pa. Code §135.3]
Reporting

The Owner/Operator shall submit an annual facility-wide emissions report (AIMS Report) to the Department by March 1 of each year for the previous calendar year.

VI. WORK PRACTICE REQUIREMENTS.

018 [25 Pa. Code §123.1]
Prohibition of certain fugitive emissions

All in-plant roadways shall be paved and maintained as such. The Owner/Operator shall take all reasonable actions to prevent particulate matter from becoming airborne.

019 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

The permittee shall post the acceptable range for the pressure drop as per the manufacturer's recommended operating range within sight of the measuring device of all baghouses and scrubbers.

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 020 [25 Pa. Code §127.206]****ERC general requirements.**

In accordance with Plan Approval #PA-65-016E, Condition #5.h. and 25 Pa. Code Section 127.206(m), the emissions reductions listed in Table II of the review memo for this plan approval cannot be used to generate emission reduction credits.

021 [25 Pa. Code §137.4]**Standby plans**

(a) This section applies to the following classes of sources located in the counties identified in subsection (b):

- (1) Coal or oil-fired electric generating facilities.
- (2) Coal or oil-fired steam generating facilities rated at more than 100 million Btu per hour of heat input.
- (3) Manufacturing industries of the following classifications which employ more than 20 employees at any one location:
 - (i) Primary and secondary metals industries.

(c) A person responsible for the operation of a source shall prepare standby plans for reducing the emission of air contaminants from that source during alert, warning and emergency levels. The plans shall be designed to reduce or eliminate the emissions of air contaminants in accordance with the objectives in 137.11-137.14 (relating to level actions). The plans shall be in writing on forms published and distributed by the Department and shall identify the approximate amount of reduction of various air contaminants and a description of the manner in which the reductions will be achieved.

(d) If the Department determines that a standby plan does not provide for effectively achieving the objectives in 137.11-137.14, the Department may disapprove the plan, state its reasons for the disapproval and either order the preparation of an amended plan within a time period specified in the order or issue, by order, a plan to replace the disapproved plan.

(e) The Department may amend or otherwise change a standby plan if it determines that good cause exists for the action. An amendment or change will be in writing and will be accompanied by a notice of sufficient cause for the action.

(f) During a forecast, alert, warning or emergency level, the standby plan shall be made available by the person responsible for the source to employees of the Department on the premises of the source.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

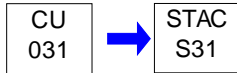
Source ID: 031

Source Name: THERM-I-VAC FURNACE BOILER

Source Capacity/Throughput: 24.000 MMBTU/HR

25.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G03

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

The Owner/Operator shall maintain records of the amount of fuel used by this source on a monthly basis. The fuel usage records shall be retained for at least five years from the date of permit issuance.

002 [25 Pa. Code §129.93]**Presumptive RACT emission limitations**

The Owner/Operator shall comply with the following requirements for this source:

(1) Record each tune-up/adjustment conducted on this source in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- (i) The date of the tuning procedure.
- (ii) The name of the service company and technicians.
- (iii) The final operating rate or load.
- (iv) The final CO and NOx emission rates.
- (v) The final excess oxygen rate.
- (vi) Other information required by the applicable operating permit.

(2) The Owner/Operator shall maintain records including a certification from the fuel supplier of the type of fuel.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §129.93]

Presumptive RACT emission limitations

The Owner/Operator shall comply with the following requirements for this source:

(1) Performance of an annual adjustment or tuneup on the combustion process. This adjustment shall include, at a minimum, the following:

(i) Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(ii) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of CO.

(iii) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

(2) The Owner/Operator shall make the annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

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. *****

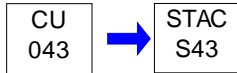
**SECTION D. Source Level Requirements**

Source ID: 043

Source Name: MISCELLANEOUS COMFORT HEAT, HOT WATER HT

Source Capacity/Throughput: 10.000 MMBTU/HR
10.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G03

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

The Owner/Operator shall maintain records of the amount of fuel used on a monthly basis. The fuel usage records shall be retained for at least five years from the date of permit issuance.

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. *****

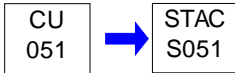
**SECTION D. Source Level Requirements**

Source ID: 051

Source Name: TWO (2) NATURAL GAS FIRED BOILERS - VIMVAR

Source Capacity/Throughput: 27.560 MMBTU/HR

Conditions for this source occur in the following groups: G03

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

The following emissions estimates were established in Plan Approval #PA-65-00016H for this source:

0.25 lbs/hr NO_x
 1.10 tons/yr NO_x
 0.42 lbs/hr CO
 1.80 tons/yr CO

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §139.11]****General requirements.**

NO_x and CO stack testing shall be conducted by either EPA method stack testing or by using portable analyzers no less frequently than once every (5) years.

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.**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40]****Subpart D - Standards of Performance for Fossil- Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971****Applicability and designation of affected facility.**

The Natural Gas Fired Boilers are subject to the applicable provisions of 40 CFR 60 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (Subpart Dc).

a. In accordance with 40 CFR 60.4 copies of all requests, reports, applications submittals and other communications shall be forwarded to both EPA and the Department at the addresses listed below unless otherwise noted:

Director	Air Quality Program Manager
Air Toxics and Radiation	PA DEP

**SECTION D. Source Level Requirements**

US EPA, Region III 1650 Arch Street Philadelphia, PA 19103-2029	Air Quality 400 Waterfront Drive Pittsburgh, PA 15222
---	---

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.

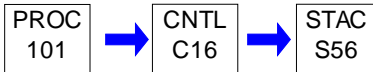
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 101 Source Name: 1- ELECTRIC ARC FURNACE (FURNACE B)
 Source Capacity/Throughput: 15.000 Tons/HR STEEL

Conditions for this source occur in the following groups: G05
 G06

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

In accordance with Plan Approval #PA-65-016E, Condition #5.a., particulate matter emissions from the EAF baghouse stack shall not exceed 0.0032 gr/dscf.

[Compliance with this condition ensures meeting the applicable SIP standard of 0.03 gr/dscf imposed by 25 Pa. Code Section 123.13(c)(1)(ii) and the applicable federal standard of 0.0052 gr/dscf imposed by 40 CFR 60.272a(a)(1).]

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

The following short term emission limits for the EAF Melt Shop and Baghouse are based on the present furnace configuration and the stack test results from October 27-28, 2004:

NO_x = 6.7 lbs/hr
 CO = 17.4 lbs/hr
 VOC = 5.4 lbs/hr

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

For purposes of determining potential to emit, allowable emissions for the EAF Melt Shop and Baghouse are based upon a maximum annual steel production capacity of 87,600 tons and 8,760 hours per year are as follows:

NO_x = 29.3 tons/yr in any consecutive 12 month period
 CO = 76.1 tons/yr in any consecutive 12 month period
 VOC = 23.4 tons/yr in any consecutive 12 month period

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.272a]

Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Standard for particulate matter.

In accordance with Plan Approval #PA-65-016E, Condition #5.b., visible emissions from the EAF baghouse stack shall not equal or exceed 3 percent opacity.

[Compliance with this condition ensures meeting the visible emissions standard of 25 Pa. Code Section 123.41 which limits visible emissions to less than 20% opacity for a period or periods aggregating more than 3 minutes in any 1 hour and less than 60% opacity at any time.]

**SECTION D. Source Level Requirements****# 005 [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) Except as provided in paragraph (c) of this section, 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 in excess of 0.0052 grains of PM 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.

(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.

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

In accordance with Plan Approval #PA-65-016E, Condition #23 and 40 CFR 60.276a(f), the Owner/Operator shall submit two (2) copies of stack test results to the Department within 60 days of completion of testing. The report shall include items (1) through (22) required by Section 60.276a(f).

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

In accordance with Plan Approval #PA-65-016E, Condition #20, the Owner/Operator shall perform a minimum of one (1) stack test for NO_x (as NO₂), CO, VOCs (as propane) and PM-10 in accordance with 25 Pa. Code Chapter 139, 40 CFR 60.8, 40 CFR 60.275a and the Department's Source Testing Manual no less often than once every five (5) years. Testing shall be performed while the emission sources are operating at or as near as possible to their maximum rated capacity as stated in the application. The EPA and/or the Department may require testing for additional pollutants at its discretion.

008 [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?**

(d) Except as provided in paragraph (d)(6) of this section, you must conduct performance tests to demonstrate initial compliance with the applicable emissions limit for each emissions source subject to an emissions limit in paragraph (b) or (c) of this section.

**SECTION D. Source Level Requirements**

(1) You must conduct each PM performance test for an EAF or AOD vessel according to the procedures in §63.7 and 40 CFR 60.275a using the following test methods in 40 CFR part 60, appendices A–1, A–2, A–3, and A–4:

(i) Method 1 or 1A of appendix A–1 of 40 CFR part 60 to select sampling port locations and the number of traverse points in each stack or duct. Sampling sites must be located at the outlet of the control device (or at the outlet of the emissions source if no control device is present) prior to any releases to the atmosphere.

(ii) Method 2, 2A, 2C, 2D, 2F, or 2G of appendix A–1 of 40 CFR part 60 to determine the volumetric flow rate of the stack gas.

(iii) Method 3, 3A, or 3B of appendix A–3 of 40 CFR part 60 to determine the dry molecular weight of the stack gas. You may use ANSI/ASME PTC 19.10–1981, “Flue and Exhaust Gas Analyses” (incorporated by reference—see §63.14) as an alternative to EPA Method 3B.

(iv) Method 4 of appendix A–3 of 40 CFR part 60 to determine the moisture content of the stack gas.

(v) Method 5 or 5D of appendix A–3 of 40 CFR part 60 to determine the PM concentration. Three valid test runs are needed to comprise a PM performance test. For EAF, sample only when metal is being melted and refined. For AOD vessels, sample only when the operation(s) are being conducted.

(2) You must conduct each opacity test for a melt shop according to the procedures in §63.6(h) and Method 9 of appendix A–4 of 40 CFR part 60. When emissions from any EAF or AOD vessel are combined with emissions from emission sources not subject to this subpart, you must demonstrate compliance with the melt shop opacity limit based on emissions from only the emission sources subject to this subpart.

(3) During any performance test, you must monitor and record the information specified in 40 CFR 60.274a(h) for all heats covered by the test.

(4) You must notify and receive approval from the Administrator for procedures that will be used to determine compliance for an EAF or AOD vessel when emissions are combined with those from facilities not subject to this subpart.

(5) To determine compliance with the PM emissions limit in paragraph (c) of this section for an EAF or AOD vessel in a lb/ton of steel format, compute the process-weighted mass emissions (E_p) for each test run using Equation 1 of this section:

Where:

E_p = Process-weighted mass emissions of PM, lb/ton;

C = Concentration of PM or total metal HAP, gr/dscf;

Q = Volumetric flow rate of stack gas, dscf/hr;

T = Total time during a test run that a sample is withdrawn from the stack during steel production cycle, hr;

P = Total amount of metal produced during the test run, tons; and

K = Conversion factor, 7,000 grains per pound.

(6) If you own or operate an existing affected source that is subject to the emissions limits in paragraph (b) or (c) of this section, you may certify initial compliance with the applicable emission limit for one or more emissions sources based on the results of a previous performance test for that emissions source in lieu of the requirement for an initial performance test provided that the test(s) were conducted within 5 years of the compliance date using the methods and procedures specified in paragraph (d)(1) or (2) of this section; the test(s) were for the affected facility; and the test(s) were representative of current or anticipated operating processes and conditions. Should the permitting authority deem the prior test data unacceptable to demonstrate compliance with an applicable emissions limit, the owner or operator must conduct an initial performance test within 180 days of the compliance date or within 90 days of receipt of the notification of disapproval of the prior test,

**SECTION D. Source Level Requirements**

whichever is later.

III. MONITORING REQUIREMENTS.**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.273a]****Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Emission monitoring.**

In accordance with Plan Approval #PA-65-016E, Condition #7 and 40 CFR 60.273a(c), the Owner/Operator shall perform visible emissions observations from the control device by a certified visible emission observer as follows: Visible emissions observations shall be conducted at least once per day when the furnace is operating in the melting and refining period. These observations shall be taken in accordance with Method 9, and, for at least three 6-minute periods, the opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emissions sites relate to only one incident of the visible emissions, only one set of three 6-minute observations will be required. In this case, Method 9 observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident.

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Monitoring of operations.**

In accordance with Plan Approval #PA-65-016E, Condition #11 and 40 CFR 60.274a(d), the Owner/Operator shall perform monthly operational status inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers and damper switches). This inspection shall include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork and fan erosion). Any deficiencies shall be noted and proper maintenance performed.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Monitoring of operations.**

In accordance with Plan Approval #PA-65-016E, Condition #9 and 40 CFR 60.274a(b), the Owner/Operator shall either, (1) check and record the control system fan motor amperes and damper position on a once-per-shift basis; or (2) install, calibrate and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood; or (3) install, calibrate and maintain a monitoring device that continuously records the volumetric flow rate at the control device inlet and check and record damper positions on a once-per-shift basis. The monitoring device(s) may be installed in any appropriate location in the exhaust duct such that reproducible flow rate monitoring will result. The flow rate monitoring device(s) shall have an accuracy of +/- 10 percent over its normal operating range and shall be calibrated according to manufacturer's instructions.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Monitoring of operations.**

In accordance with Plan Approval #PA-65-016E, Condition #10 and 40 CFR 60.274a(c), when the Owner/Operator is required to demonstrate compliance with the standards under Section D, Condition #001, above, and at any other time the EPA or the Department may require that either, (1) the control system fan motor amperes and all damper positions; or (2) the volumetric flow rate through each separately ducted hood; or (3) the volumetric flow rate at the control device inlet and all damper positions shall be determined during all periods in which a hood is operated for the purpose of capturing emissions from the EAFs. The Owner/Operator may petition the Department for reestablishment of these parameters whenever the Owner/Operator can demonstrate that the EAF operating conditions upon which the parameters were

SECTION D. Source Level Requirements

previously established are no longer applicable. The values of these parameters as determined during the most recent demonstration of compliance shall be maintained at the appropriate level for each applicable period. Operation at other than baseline values may be subject to the requirements of Section D, Condition #024 (40 CFR Section 60.276a(c)), below.

013 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.2]

Sections of PART 64

Applicability

I. Indicator	Indicator No. 1	Indicator No. 2
	Pressure Drop across fabric	Visible emissions
Measurement Approach	Manometer of each compartment	Visual Observations
II. Indicator Range	3 - 7 "	0 - 3% opacity
QIP Threshold	6 deviations in 6 months	6 deviations in 6 months
III. Performance Criteria		
A. Data Representativeness	Differential pressure monitoring on the inlet and outlet sides of this fabric filter would serve to confirm that the unit is operating correctly and that the fabric filter has no holes, blown bags, blinding bags, clogged bags or is otherwise not operating correctly.	Visual opacity is a good indicator of particulate emissions from the fabric filter. By NSPS requirements visual opacity is limited to less than 3%. This corresponds nicely to the system being able to meet the grain loading requirements.
B. Verification of operational status	Equipment currently installed; calibrated/operational on installation.	Visual observations on a daily basis when melting is occurring.
C. QA/QC Practices and Criteria	Quarterly calibration using an oil type manometer to confirm that the gauge is reading the same as the magnehelic gauge.	Semi-annual confirmation observations by an independent certified reader.
D. Monitoring Frequency	Continuous	Daily visible emission readings. These observations shall be for at least 3 six-minute periods as required by the Title V Permit.
Data Collection Procedures	Data collected daily	Manual log entry on opacity log sheets.
Averaging Period	Daily instantaneous reading	Readings will be 3 six-minute averages per day.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 014 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

In accordance with Plan Approval #PA-65-016E, Condition #15 and 127.511(b)(2), records of the measurements required in Section D, Condition #021(40 CFR 60.274a), below must be retained for at least 5 years following the date of the measurement.

[Compliance with this streamlined condition ensures compliance with 40 CFR 60.276a(a).]

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.273a]**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Emission monitoring.**

In accordance with Plan Approval #PA-65-016E, Condition #13 and 40 CFR 60.273a(c), opacity shall be recorded for at least three 6-minute periods for any point(s) where visible emissions are observed. Records shall be maintained of any 6-minute average that is equal to or exceeds the 3 percent opacity emission limit specified in Section D, Condition #007 (40 CFR 60.272a(a)), above.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Monitoring of operations.**

In accordance with Plan Approval #PA-65-016E, Condition #16 and 40 CFR 60.274a(a), the Owner/Operator shall maintain records of the following information:

- (1) All data obtained under Section D, Condition #015 (40 CFR 60.274a(b)); and
- (2) All monthly operational status inspections performed under Section D, Condition #017 (40 CFR 60.274a(d)).

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Monitoring of operations.**

In accordance with Plan Approval #PA-65-016E, Condition #12 and 40 CFR 60.274a(h), the Owner/Operator shall monitor the following information during any performance test and for any report required by the EPA or the Department for all heats covered by the test:

- (1) Charge weights and materials, and tap weights and materials;
- (2) Heat times, including start and stop times, and a log of process operation, including periods of no operation during testing;
- (3) Control device operation log; and
- (4) Continuous monitor or Reference Method 9 data.

V. REPORTING REQUIREMENTS.**# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.276a]****Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Recordkeeping and reporting requirements.**

In accordance with Plan Approval #PA-65-016E, Condition #18 and 40 CFR 60.276a(c), operation of control system fan

**SECTION D. Source Level Requirements**

motor amperes at values exceeding +/- 15 percent of the value established under Section D, Condition #016 (40 CFR 60.274a(c)), above or operation at flow rates lower than those established under Section D, Condition #016 may be considered by the EPA and/or the Department to be unacceptable operation and maintenance of the affected facility. Operation at such values shall be reported to the EPA and the Department semi-annually.

019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.276a]**Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Recordkeeping and reporting requirements.**

In accordance with Plan Approval #PA-65-016E, Condition #17 and 40 CFR 60.276a(b), the Owner/Operator shall submit a written report of exceedances of the control device opacity to the EPA and the Department semi-annually. For the purposes of these reports, exceedances are defined as all 6-minute periods during which the average opacity is 3 percent or greater.

020 [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?**

(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) If you are subject to the requirements for a site-specific plan for mercury under paragraph (b)(1) of this section, you must:

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

(ii) Submit semiannual reports of the number of mercury switches removed or the weight of mercury recovered from the switches and properly managed, the estimated number of vehicles processed, an estimate of the percent of mercury switches recovered, and a certification that the recovered mercury switches were recycled at RCRA-permitted facilities. The semiannual reports must include a certification that you have conducted inspections or taken other means of corroboration as required under paragraph (b)(1)(ii)(C) of this section. You may include this information in the semiannual compliance reports required under paragraph (c)(3) of this section.

(2) If you are subject to the option for approved mercury programs under paragraph (b)(2) of this section, you must maintain records identifying each scrap provider and documenting the scrap provider's participation in an approved mercury switch removal program. If you purchase motor vehicle scrap from a broker, you must maintain records identifying each broker and documentation that all scrap provided by the broker was obtained from other scrap providers who participate in an approved mercury switch removal program.

(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.

VI. WORK PRACTICE REQUIREMENTS.**# 021 [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**

**SECTION D. Source Level Requirements****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. For the production of steel other than leaded steel, you must prepare and implement a pollution prevention plan for metallic scrap selection and inspection to minimize the amount of chlorinated plastics, lead, and free organic liquids that is charged to the furnace. For the production of leaded steel, you must prepare and implement a pollution prevention plan for scrap selection and inspection to minimize the amount of chlorinated plastics and free organic liquids in the scrap that is charged to the furnace. You must submit the scrap pollution prevention plan to the permitting authority for approval. You must operate according to the plan as submitted during the review and approval process, operate according to the approved plan at all times after approval, and address any deficiency identified by the permitting authority within 60 days following disapproval of a plan. You may request approval to revise the plan and may operate according to the revised plan unless and until the revision is disapproved by the permitting authority. You must keep a copy of the plan onsite, and you must provide training on the plan's requirements to all plant personnel with materials acquisition or inspection duties. Each plan must include the information in paragraphs (a)(1)(i) through (iii) of this section:

(i) Specifications that scrap materials must be depleted (to the extent practicable) of undrained used oil filters, chlorinated plastics, and free organic liquids at the time of charging to the furnace.

(ii) A requirement in your scrap specifications for removal (to the extent practicable) of lead-containing components (such as batteries, battery cables, and wheel weights) from the scrap, except for scrap used to produce leaded steel.

(iii) Procedures for determining if the requirements and specifications in paragraph (a)(1) of this section are met (such as visual inspection or periodic audits of scrap providers) and procedures for taking corrective actions with vendors whose shipments are not within specifications.

(iv) The requirements of paragraph (a)(1) of this section do not apply to the routine recycling of baghouse bags or other internal process or maintenance materials in the furnace. These exempted materials must be identified in the pollution prevention plan.

(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) 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. You must comply with the requirements in paragraphs (b)(1)(i) through (v) of this section.

(i) You must include a requirement in your scrap specifications for removal of mercury switches from vehicle bodies used to make the scrap.

**SECTION D. Source Level Requirements**

(ii) You must prepare and operate according to a plan demonstrating how your facility will implement the scrap specification in paragraph (b)(1)(i) of this section for removal of mercury switches. You must submit the plan to the permitting authority for approval. You must operate according to this plan as submitted during the review and approval process, operate according to the approved plan at all times after approval, and address any deficiency identified by the permitting authority within 60 days following disapproval of a plan. You may request approval to revise the plan and may operate according to the revised plan unless and until the revision is disapproved by the permitting authority. The permitting authority may change the approval status of the plan upon 90 days written notice based upon the semiannual compliance report or other information. The plan must include:

(A) A means of communicating to scrap purchasers and scrap providers the need to obtain or provide motor vehicle scrap from which mercury switches have been removed and the need to ensure the proper management of the mercury switches removed from that scrap as required under the rules implementing subtitle C of the Resource Conservation and Recovery Act (RCRA) (40 CFR parts 261 through 265 and 268). The plan must include documentation of direction to appropriate staff to communicate to suppliers throughout the scrap supply chain the need to promote the removal of mercury switches from end-of-life vehicles. Upon the request of the permitting authority, you must provide examples of materials that are used for outreach to suppliers, such as letters, contract language, policies for purchasing agents, and scrap inspection protocols;

(B) Provisions for obtaining assurance from scrap providers that motor vehicle scrap provided to the facility meet the scrap specification;

(C) Provisions for periodic inspections or other means of corroboration to ensure that scrap providers and dismantlers are implementing appropriate steps to minimize the presence of mercury switches in motor vehicle scrap and that the mercury switches removed are being properly managed, including the minimum frequency such means of corroboration will be implemented; and

(D) Provisions for taking corrective actions (i.e., actions resulting in scrap providers removing a higher percentage of mercury switches or other mercury-containing components) if needed, based on the results of procedures implemented in paragraph (b)(1)(ii)(C) of this section).

(iii) You must require each motor vehicle scrap provider to provide an estimate of the number of mercury switches removed from motor vehicle scrap sent to your facility during the previous year and the basis for the estimate. The permitting authority may request documentation or additional information at any time.

(iv) You must establish a goal for each scrap provider to remove at least 80 percent of the mercury switches. Although a site-specific plan approved under paragraph (b)(1) of this section may require only the removal of convenience light switch mechanisms, the permitting authority will credit all documented and verifiable mercury-containing components removed from motor vehicle scrap (such as sensors in anti-locking brake systems, security systems, active ride control, and other applications) when evaluating progress towards the 80 percent goal.

(v) For each scrap provider, you must submit semiannual progress reports to the permitting authority that provide the number of mercury switches removed or the weight of mercury recovered from the switches, the estimated number of vehicles processed, an estimate of the percent of mercury switches removed, and certification that the removed mercury switches were recycled at RCRA-permitted facilities or otherwise properly managed pursuant to RCRA subtitle C regulations referenced in paragraph (b)(1)(ii)(A) of this section. This information can be submitted in aggregated form and does not have to be submitted for each scrap provider, contract, or shipment. The permitting authority may change the approval status of a site-specific plan following 90 days notice based on the progress reports or other information.

(2) Option for approved mercury programs. You must certify in your notification of compliance status that you participate in and purchase motor vehicle scrap only from scrap providers who participate in a program for removal of mercury switches that has been approved by the Administrator based on the criteria in paragraphs (b)(2)(i) through (iii) of this section. If you purchase motor vehicle scrap from a broker, you must certify that all scrap received from that broker was obtained from other scrap providers who participate in a program for the removal of mercury switches that has been approved by the Administrator based on the criteria in paragraphs (b)(2)(i) through (iii) of this section. The National Vehicle Mercury Switch Recovery Program and the Vehicle Switch Recovery Program mandated by Maine State law are EPA-approved programs under paragraph (b)(2) of this section unless and until the Administrator disapproves the program (in part or in whole) under

**SECTION D. Source Level Requirements**

paragraph (b)(2)(iii) of this section.

(i) The program includes outreach that informs the dismantlers of the need for removal of mercury switches and provides training and guidance for removing mercury switches;

(ii) The program has a goal to remove at least 80 percent of mercury switches from the motor vehicle scrap the scrap provider processes. Although a program approved under paragraph (b)(2) of this section may require only the removal of convenience light switch mechanisms, the Administrator will credit all documented and verifiable mercury-containing components removed from motor vehicle scrap (such as sensors in anti-locking brake systems, security systems, active ride control, and other applications) when evaluating progress towards the 80 percent goal; and

(iii) The program sponsor agrees to submit progress reports to the Administrator no less frequently than once every year that provide the number of mercury switches removed or the weight of mercury recovered from the switches, the estimated number of vehicles processed, an estimate of the percent of mercury switches recovered, and certification that the recovered mercury switches were recycled at facilities with permits as required under the rules implementing subtitle C of RCRA (40 CFR parts 261 through 265 and 268). The progress reports must be based on a database that includes data for each program participant; however, data may be aggregated at the State level for progress reports that will be publicly available. The Administrator may change the approval status of a program or portion of a program (e.g., at the State level) following 90 days notice based on the progress reports or on other information.

(iv) You must develop and maintain onsite a plan demonstrating the manner through which your facility is participating in the EPA-approved program.

(A) The plan must include facility-specific implementation elements, corporate-wide policies, and/or efforts coordinated by a trade association as appropriate for each facility.

(B) You must provide in the plan documentation of direction to appropriate staff to communicate to suppliers throughout the scrap supply chain the need to promote the removal of mercury switches from end-of-life vehicles. Upon the request of the permitting authority, you must provide examples of materials that are used for outreach to suppliers, such as letters, contract language, policies for purchasing agents, and scrap inspection protocols.

(C) You must conduct periodic inspections or provide other means of corroboration to ensure that scrap providers are aware of the need for and are implementing appropriate steps to minimize the presence of mercury in scrap from end-of-life vehicles.

(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.

(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.

VII. ADDITIONAL REQUIREMENTS.

022 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

In accordance with Plan Approval #PA-65-016E, Condition #5.h. and 25 Pa. Code Section 127.206(m), the emissions reductions listed in Table II of the plan approval review memo for this plan approval application cannot be used to generate emission reduction credits (ERCs).

**SECTION D. Source Level Requirements****# 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10680]****Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****Am I subject to this subpart?**

- (a) You are subject to this subpart if you own or operate an electric arc furnace (EAF) steelmaking facility that is an area source of hazardous air pollutant (HAP) emissions.
- (b) This subpart applies to each new or existing affected source. The affected source is each EAF steelmaking facility.
- (1) An affected source is existing if you commenced construction or reconstruction of the affected source on or before September 20, 2007.
- (2) An affected source is new if you commenced construction or reconstruction of the affected source after September 20, 2007.
- (c) This subpart does not apply to research and development facilities, as defined in section 112(c)(7) of the Clean Air Act (CAA).
- (d) If you own or operate an area source subject to this subpart, you must have or obtain a permit under 40 CFR part 70 or 40 CFR part 71.

024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10681]**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What are my compliance dates?**

- (a) Except as provided in paragraph (b) of this section, if you own or operate an existing affected source, you must achieve compliance with the applicable provisions of this subpart by no later than June 30, 2008.
- (b) If you own or operate an existing affected source, you must achieve compliance with opacity limit in §63.10686(b)(2) or (c)(2) by no later than December 28, 2010 if you demonstrate to the satisfaction of the permitting authority that additional time is needed to install or modify emission control equipment.
- (c) If you start up a new affected source on or before December 28, 2007, you must achieve compliance with the applicable provisions of this subpart by no later than December 28, 2007.
- (d) If you start up a new affected source after December 28, 2007, you must achieve compliance with the applicable provisions of this subpart upon startup of your affected source.

025 [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.
- (b) The notification of compliance status required by §63.9(h) must include each applicable certification of compliance, signed by a responsible official, in paragraphs (b)(1) through (6) of this section.
- (1) For the pollution prevention plan requirements in §63.10685(a)(1): "This facility has submitted a pollution prevention plan for metallic scrap selection and inspection in accordance with §63.10685(a)(1)";
- (2) For the restrictions on metallic scrap in §63.10685(a)(2): This facility complies with the requirements for restricted metallic scrap in accordance with §63.10685(a)(2)";



SECTION D. Source Level Requirements

(3) For the mercury requirements in §63.10685(b):

(i) "This facility has prepared a site- specific plan for mercury switches in accordance with §63.10685(b)(1)";

(ii) "This facility participates in and purchases motor vehicle scrap only from scrap providers who participate in a program for removal of mercury switches that has been approved by the EPA Administrator in accordance with §63.10685(b)(2)" and has prepared a plan demonstrating how the facility participates in the EPA-approved program in accordance with §63.10685(b)(2)(iv);

(iii) "The only materials from motor vehicles in the scrap charged to an electric arc furnace at this facility are materials recovered for their specialty alloy content in accordance with §63.10685(b)(3) which are not reasonably expected to contain mercury switches"; or

(iv) "This facility complies with the requirements for scrap that does not contain motor vehicle scrap in accordance with §63.10685(b)(4)."

(4) This certification of compliance for the capture system requirements in §63.10686(a) , signed by a responsible official: This facility operates a capture system for each electric arc furnace and argon- oxygen decarburization vessel that conveys the collected emissions to a PM control device in accordance with §63.10686(a)".

(5) If applicable, this certification of compliance for the performance test requirements in §63.10686(d)(6): "This facility certifies initial compliance with the applicable emissions limit in §63.10686(a) or (b) based on the results of a previous performance test in accordance with §63.10686(d)(6)".

(6) This certification of compliance for the monitoring requirements in §63.10686(e) , signed by a responsible official: This facility has developed and submitted proposed monitoring information in accordance with 40 CFR part 64".

026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Part 63 to Subpart YYYYY Table 1]

Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities

Applicability of General Provisions to Subpart YYYYY

As required in §63.10691(a), you must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) shown in the following table.

Citation	Subject	Applies to subpart YYYYY?	Explanation
§63.1(a)(1), (a)(2), (a)(3), (a)(4), (a)(6), (a)(10)-(a)(12), (b)(1), (b)(3), (c)(1), (c)(2), (c)(5), (e).	Applicability.....	Yes.	
§63.1(a)(5), (a)(7)- (a)(9), (b)(2), (c)(3), (c)(4), (d).	Reserved.....	No.	
§63.2.....	Definitions.....	Yes.	
§63.3.....	Units and Abbreviations.....	Yes.	
§63.4.....	Prohibited Activities and	Yes.	



SECTION D. Source Level Requirements

	Circumvention.....			
§63.5.....	Preconstruction	Yes.		
	Review and			
	Notification Re-			
	quirements.			
§63.6(a),	Compliance with	Yes.		
(b)(1)-(b)(5),	Standards and			
(b)(7), (c)(1),	Maintenance			
(c)(2), (c)(5),	Requirements.			
(e)(1), (e)(3)(i),				
(e)(3)(iii)-				
(e)(3)(ix), (f),				
(g), (h)(1),				
(h)(2), (h)(5)-				
(h)(9), (i), (j).				
§63.6(b)(6), (c)(3),	Reserved.....	No.		
(c)(4), (d),				
(e)(2),				
(e)(3)(ii),				
(h)(3),				
(h)(5)(iv).				
§63.7.....	Applicability and	Yes.		
	Performance Test			
	Dates.			
§63.8(a)(1), (a)(2),	Monitoring Require-	Yes.....	Requirements apply	
(b), (c), (d),	ments.....		if a COMS or CEMS is	
(e), (f)(1)-(5),		used.		
(g).				
§63.8(a)(3).....	[Reserved].....	No.		
§63.8(a)(4).....	Additional	No.		
	Monitoring			
	Requirements for			
	Control Devices in			
	§63.11.			
§63.8(c)(4).....	Continuous	Yes.....	Requirements apply	
	Monitoring System		if a COMS or CEMS is	
	Requirements.		used.	
§63.8(f)(6).....	RATA Alternative....	Yes.....	Requirements apply	
			if a CEMS is used.	
§63.9(a), (b)(1),	Notification	Yes.		
(b)(2), (b)(5),	Requirements.....			
(c), (d), (f),				
(g),				
(h)(1)-(h)(3),				
(h)(5), (h)(6),				
(i), (j).				
§63.9(b)(3),	Reserved.....	No.		
(h)(4).....				
§63.9(b)(4).....	No.		
§63.10(a), (b)(1),	Recordkeeping and	Yes.....	Additional records	
(b)(2)(i)-(v),	Reporting Require-		for CMS in §63.10(c)	
(b)(2)(xiv),	ments.	(1) -(6),		
(b)(3), (c)(1),		(9)-(15), and re-		
(c)(5)-(c)(8),		ports in		
(c)(10)-(c)(15),		§63.10(d)(1)- (2)		
(d),		apply if a COMS or		



SECTION D. Source Level Requirements

(e)(1)-(e)(4),				CEMS is used.	
(f).					
§63.10(b)(2)(xiii)...	CMS Records for RATA	Yes.....	Requirements apply		
	Alternative.....		if a CEMS is used.		
§63.10(c)(2)-(c)(4),	Reserved.....	No.			
(c)(9).....					
§63.11.....	Control Device Re-	No.			
	quirements.....				
§63.12.....	State Authority and	Yes.			
	Delegations.....				
§§63.13-63.16.....	Addresses,	Yes.			
	Incorporations by				
	Reference,				
	Availability of				
	Information,				
	Performance Track				
	Provisions.				

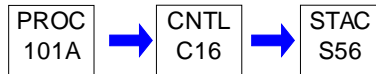
*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 101A

Source Name: LADLE FURNACE (FORMERLY EAF A)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G05
G06**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.21]

General

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

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Particulate matter emissions from the EAF Melt Shop Baghouse Stack shall not exceed 0.0032 gr/dscf.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 102

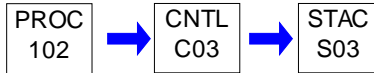
Source Name: AOD VESSEL REFINING

Source Capacity/Throughput:

30.000 Tons/HR

STEEL

Conditions for this source occur in the following groups: G05

**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) Except as provided in paragraph (c) of this section, 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 in excess of 0.0052 grains of PM 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.

(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.

II. TESTING REQUIREMENTS.**# 002 [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?**

(d) Except as provided in paragraph (d)(6) of this section, you must conduct performance tests to demonstrate initial compliance with the applicable emissions limit for each emissions source subject to an emissions limit in paragraph (b) or (c) of this section.

(1) You must conduct each PM performance test for an EAF or AOD vessel according to the procedures in §63.7 and 40 CFR 60.275a using the following test methods in 40 CFR part 60, appendices A-1, A-2, A-3, and A-4:

(i) Method 1 or 1A of appendix A-1 of 40 CFR part 60 to select sampling port locations and the number of traverse points in

**SECTION D. Source Level Requirements**

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

(ii) Method 2, 2A, 2C, 2D, 2F, or 2G of appendix A–1 of 40 CFR part 60 to determine the volumetric flow rate of the stack gas.

(iii) Method 3, 3A, or 3B of appendix A–3 of 40 CFR part 60 to determine the dry molecular weight of the stack gas. You may use ANSI/ASME PTC 19.10–1981, “Flue and Exhaust Gas Analyses” (incorporated by reference—see §63.14) as an alternative to EPA Method 3B.

(iv) Method 4 of appendix A–3 of 40 CFR part 60 to determine the moisture content of the stack gas.

(v) Method 5 or 5D of appendix A–3 of 40 CFR part 60 to determine the PM concentration. Three valid test runs are needed to comprise a PM performance test. For EAF, sample only when metal is being melted and refined. For AOD vessels, sample only when the operation(s) are being conducted.

(2) You must conduct each opacity test for a melt shop according to the procedures in §63.6(h) and Method 9 of appendix A–4 of 40 CFR part 60. When emissions from any EAF or AOD vessel are combined with emissions from emission sources not subject to this subpart, you must demonstrate compliance with the melt shop opacity limit based on emissions from only the emission sources subject to this subpart.

(3) During any performance test, you must monitor and record the information specified in 40 CFR 60.274a(h) for all heats covered by the test.

(4) You must notify and receive approval from the Administrator for procedures that will be used to determine compliance for an EAF or AOD vessel when emissions are combined with those from facilities not subject to this subpart.

(5) To determine compliance with the PM emissions limit in paragraph (c) of this section for an EAF or AOD vessel in a lb/ton of steel format, compute the process-weighted mass emissions (E_p) for each test run using Equation 1 of this section:

Where:

E_p = Process-weighted mass emissions of PM, lb/ton;

C = Concentration of PM or total metal HAP, gr/dscf;

Q = Volumetric flow rate of stack gas, dscf/hr;

T = Total time during a test run that a sample is withdrawn from the stack during steel production cycle, hr;

P = Total amount of metal produced during the test run, tons; and

K = Conversion factor, 7,000 grains per pound.

(6) If you own or operate an existing affected source that is subject to the emissions limits in paragraph (b) or (c) of this section, you may certify initial compliance with the applicable emission limit for one or more emissions sources based on the results of a previous performance test for that emissions source in lieu of the requirement for an initial performance test provided that the test(s) were conducted within 5 years of the compliance date using the methods and procedures specified in paragraph (d)(1) or (2) of this section; the test(s) were for the affected facility; and the test(s) were representative of current or anticipated operating processes and conditions. Should the permitting authority deem the prior test data unacceptable to demonstrate compliance with an applicable emissions limit, the owner or operator must conduct an initial performance test within 180 days of the compliance date or within 90 days of receipt of the notification of disapproval of the prior test, whichever is later.

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

003 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.2]

Sections of PART 64

Applicability

I. Indicator	Indicator No. 1	Indicator No. 2
	Pressure Drop across fabric	Visible emissions
Measurement Approach	Manometer of each compartment	Visual Observations
II. Indicator Range	3 - 7 "	0 - 3% opacity
QIP Threshold	6 deviations in 6 months	6 deviations in 6 months

III. Performance Criteria

A. Data Representativeness	Differential pressure monitoring on the inlet and outlet sides of this fabric filter would serve to confirm that the unit is operating correctly and that the fabric filter has no holes, blown bags, blinding bags, clogged bags or is otherwise not operating correctly.	A daily visual observation is a good indicator of particulate emissions from the fabric filter. If > 0% opacity a certified observer will read as per Method 9 and 25 Pa. Code Sec. 123.41.
B. Verification of operational status	Equipment currently installed; calibrated/operational on installation.	Visual observations on a daily basis when AOD is in operation.
C. QA/QC Practices and Criteria	Monthly calibration using an oil type manometer to confirm that the gauge is reading the same as the magnehelic gauge.	Semi-annual confirmation observations by an independent certified reader.
D. Monitoring Frequency	Daily Check	Daily observation
Data Collection Procedures	Data log	Manual log entry of no visible emissions or entry on opacity log sheet if observation is > 0%.
Averaging Period	Daily review	Once daily

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).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10680]

Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities

Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate an electric arc furnace (EAF) steelmaking facility that is an area source of hazardous air pollutant (HAP) emissions.

(b) This subpart applies to each new or existing affected source. The affected source is each EAF steelmaking facility.

(1) An affected source is existing if you commenced construction or reconstruction of the affected source on or before September 20, 2007.

(2) An affected source is new if you commenced construction or reconstruction of the affected source after September 20, 2007.

(c) This subpart does not apply to research and development facilities, as defined in section 112(c)(7) of the Clean Air Act (CAA).

(d) If you own or operate an area source subject to this subpart, you must have or obtain a permit under 40 CFR part 70 or 40 CFR part 71.

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

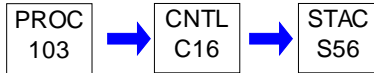
**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: TEEMING - INGOT POURING

Source Capacity/Throughput: 15.000 Tons/HR STEEL

Conditions for this source occur in the following groups: G06

**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: 104

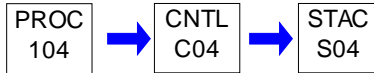
Source Name: NO 10 ELECTRO-SLAG REMELT

Source Capacity/Throughput:

20.000 Tons/HR

STEEL SLAG

Conditions for this source occur in the following groups: G08

**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: 105

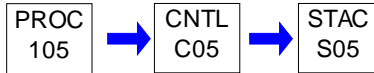
Source Name: VACARC WELDING & SCARFING

Source Capacity/Throughput:

15.000 Each/HR

STEEL ELECTRODS

Conditions for this source occur in the following groups: G08

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

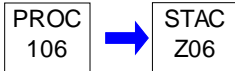
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 106

Source Name: MESTA PRESS HOT WORKING

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.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: #8 MIDWEST GRINDER

Source Capacity/Throughput: 10.000 Tons/HR STEEL

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total particulate matter emissions from the control device for this source shall not at any time exceed 0.005 gr/dscf.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Visible emissions from the control device for this source shall not exceed 10% opacity for a period or periods aggregating more than 3 minutes in any one hour or equal or exceed 30% opacity at any time.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Filterable PM and PM10 testing shall be performed by EPA Method 5, 5B, 201, or 201A. Testing shall be conducted within one (1) year of initial operation and no less frequently than once every five (5) years. Stack testing shall be conducted in accordance with the provisions of Title 25 Pa Code Chapter 139 and the Department's Source Testing Manual.

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The control device for this emission source shall be equipped with gauges to monitor pressure drop across the unit.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pressure drop readings shall be taken on a daily basis and kept using either electronic recording devices or recorded manually while the control device is operating.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall maintain the control device for this emission source in accordance with the manufacturer's

**SECTION D. Source Level Requirements**

recommendations. The maintenance schedule for the unit and records of all maintenance activities performed on it shall be maintained in a log and be made available to the Department upon request.

VII. ADDITIONAL REQUIREMENTS.

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

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

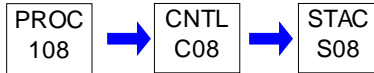
**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: PRECISION FORGING MACHINE

Source Capacity/Throughput: 8.000 Tons/HR STEEL

Conditions for this source occur in the following groups: G08

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 109

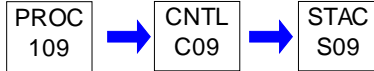
Source Name: PFF ABRASIVE HOT SAW

Source Capacity/Throughput:

8.000 Tons/HR

STEEL

Conditions for this source occur in the following groups: G08

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

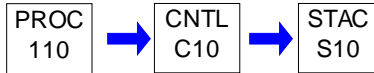
**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: 1-MIDWEST GRINDER - #7

Source Capacity/Throughput: 15.000 Tons/HR STEEL

Conditions for this source occur in the following groups: G08

**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: 110A

Source Name: #10 MIDWEST GRINDER

Source Capacity/Throughput: 15.000 Tons/HR STEEL

Conditions for this source occur in the following groups: G08



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. *****

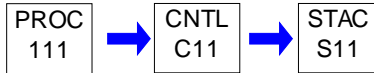
**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: GRINDING OPERATIONS

Source Capacity/Throughput: 10.000 Tons/HR STEEL

Conditions for this source occur in the following groups: G08

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

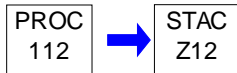
Source ID: 112

Source Name: SAW CUTTING/HOT SAW - CRM

Source Capacity/Throughput:

20.000 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.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

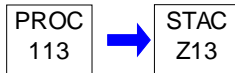
Source ID: 113

Source Name: HOT ROLLING - CRM

Source Capacity/Throughput:

8.000 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.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 114

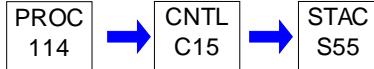
Source Name: HCL ACID ETCH

Source Capacity/Throughput:

N/A

HCL

Conditions for this source occur in the following groups: G08

**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. *****

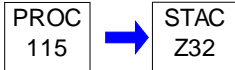
**SECTION D. Source Level Requirements**

Source ID: 115

Source Name: MELT SHOP FURNACES

Source Capacity/Throughput:	1.000 Tons/HR	STEEL
	32.700 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: G02
G07

**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).

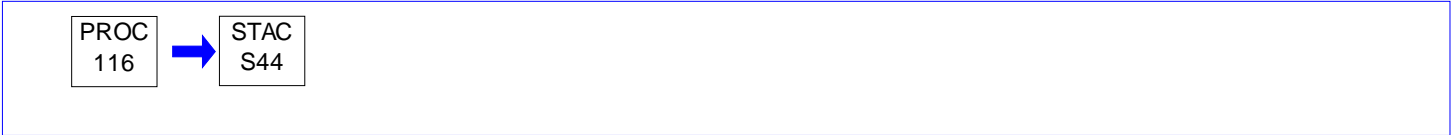
***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 116	Source Name: MELT SHOP-#1 CARBOTTOM FURNACE		
	Source Capacity/Throughput:	1.000 Tons/HR	STEEL
		29.600 MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups: G01
G05
G07



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #65-000-016, Condition #5, allowable emissions for this source are as follows:

0.12 lbs NOx/mmbtu heat input
15.6 tons NOx/yr

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. *****

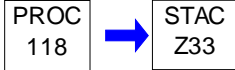
SECTION D. Source Level Requirements

Source ID: 118

Source Name: HEATING/COOLING FURNACES MESTA PRESS

Source Capacity/Throughput:	5.000 Tons/HR	STEEL
	171.400 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: G02
G05
G07

**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. *****

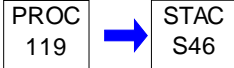
**SECTION D. Source Level Requirements**

Source ID: 119

Source Name: #7 MESTA PRESS CARBOTTOM FURNACE

Source Capacity/Throughput:	0.500 Tons/HR	STEEL
	29.600 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: G01
G05
G07

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #65-000-016, Condition #5, allowable emissions for this source are as follows:

0.12 lbs NO_x/mmbtu heat input
15.6 tons NO_x/yr

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. *****

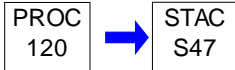
**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: #55 MESTA PRESS CARBOTTOM FURNACE

Source Capacity/Throughput:	0.410 Tons/HR	STEEL
	8.400 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: G05
G07

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with Operating Permit #65-307-078, Condition #4, this furnace shall be equipped and operated with low NOx burners.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

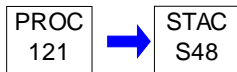
**SECTION D. Source Level Requirements**

Source ID: 121

Source Name: #50 & #56 MESTA PRESS HOMOGENIZING FCES

Source Capacity/Throughput:	2.500 Tons/HR	STEEL (EACH)
	15.600 MCF/HR	GAS (EACH)

Conditions for this source occur in the following groups: G05
G07

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

In accordance with Operating Permit #OP-65-016B, Condition #5, allowable emissions for each furnace shall not exceed the following in any consecutive 12 month period:

4.7 tons NO_x/yr
2.7 tons CO/yr

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

In accordance with Operating Permit #OP-65-016B, Condition #6, these furnaces shall be equipped and operated with low NO_x burners.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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



SECTION D. Source Level Requirements

Source ID: 124

Source Name: 12" ROLLING MILL HEAT & COOL FURNACES

Source Capacity/Throughput:	1.000 Tons/HR	STEEL
	27.300 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: G02
G05
G07



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. *****

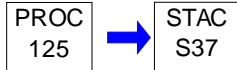
**SECTION D. Source Level Requirements**

Source ID: 125

Source Name: 9" ROLLING MILL HEATING & COOLING FURNS

Source Capacity/Throughput:	0.500 Tons/HR	STEEL
	8.300 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: G02
G05
G07

**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. *****

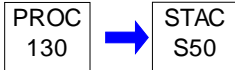
**SECTION D. Source Level Requirements**

Source ID: 130

Source Name: (2) STRESS RELIEF FCES - CONT. ROLL MILL

Source Capacity/Throughput:	0.500 Tons/HR	STEEL (EACH)
	3.750 MCF/HR	GAS (EACH)

Conditions for this source occur in the following groups: G05
G07

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with Operating Permit #65-307-080, Condition #4, this furnace shall be equipped and operated with low NOx burners.

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. *****

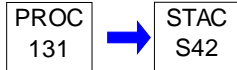
**SECTION D. Source Level Requirements**

Source ID: 131

Source Name: PRECISION FORGING FACILITY FURNACES

Source Capacity/Throughput:	3.000 Tons/HR	STEEL
	74.400 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: G02
G05
G08

**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: 132

Source Name: #0 BOX FCE - PRECISION FORGING FACILITY

Source Capacity/Throughput:

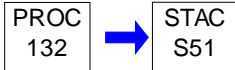
2.200 Tons/HR

STEEL

14.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: G05
G08

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

In accordance with Operating Permit #65-307-065A, Condition #6, allowable emissions for this furnace shall not exceed the following in any consecutive 12 month period:

6.3 tons NO_x/yr

4.8 tons CO/yr

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

In accordance with Operating Permit #65-307-065A, Condition #5, this furnace shall be equipped and operated with low NO_x burners.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

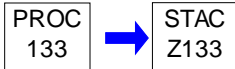
Source ID: 133

Source Name: VACUUM ARC REMELT FURNACES (16)

Source Capacity/Throughput:

5.000 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.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

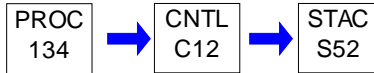
**SECTION D. Source Level Requirements**

Source ID: 134

Source Name: CRUCIBLE CLEANER SHOT BLASTER

Source Capacity/Throughput: 40.000 Tons/HR

Conditions for this source occur in the following groups: G08

**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

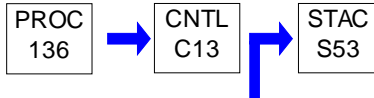
Source ID: 136

Source Name: BILLET DESCALING (ROTOBLAST) MACHINE

Source Capacity/Throughput:

1.000 Tons/HR

Conditions for this source occur in the following groups: G08

**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**

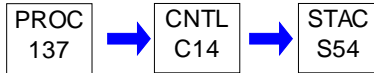
Source ID: 137

Source Name: WET ABRASIVE CUTOFF SAW (HOT MILL)

Source Capacity/Throughput:

2.300 Tons/HR

Conditions for this source occur in the following groups: G08

**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: 138

Source Name: MISC HOT ROLLING & HOT SHEARING

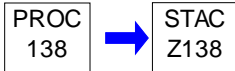
Source Capacity/Throughput:

1.400 Tons/HR

STEEL ROLLING (TOTAL)

1.400 Tons/HR

STEEL SHEARING (TOTAL)

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

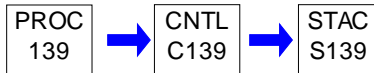
Source ID: 139

Source Name: PICKLE TANKS

Source Capacity/Throughput:

9.170 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.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

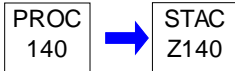
Source ID: 140

Source Name: SLAG HANDLING BUILDING

Source Capacity/Throughput:

1.250 Tons/HR

STEEL SLAG

**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.**

In accordance with Plan Approval #PA-65-016C, Condition #12, the nozzles on the spray bars shall be checked regularly for clogging. Nozzles which show evidence of clogging shall be cleaned or replaced immediately upon discovery.

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

In accordance with Plan Approval #PA-65-016C, Condition #13, the slag storage building curtain shall be maintained in good working condition as determined by the Department.

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

In accordance with Plan Approval #PA-65-016C, Condition #9, the slag storage building shall not be used in the event that the water sprays and/or curtain are not operable.

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

In accordance with Plan Approval #PA-65-016C, Condition #8, the slag storage building curtain shall be closed as much as possible at all times that slag is being dumped inside the building or being loaded into trucks. The curtain shall be closed completely at all other times.

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

In accordance with Plan Approval #PA-65-016C, Condition #6, all slag pots shall be allowed to cool for a minimum of 24



SECTION D. Source Level Requirements

hours before being dumped inside the slag storage building.

006 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
In accordance with Plan Approval #PA-65-016C, Condition #7, slag material shall be sufficiently wet so that there are no visible emissions from slag handling operations.

007 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
In accordance with Plan Approval #PA-65-016C, Condition #11, all loaded trucks hauling slag shall be tarped before leaving plant property.

008 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
In accordance with Plan Approval #PA-65-016C, Condition #10, the concrete pad and plant road in front of the slag storage building shall be routinely swept or watered to keep the surfaces free of debris in order to prevent particulate matter from becoming airborne.

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

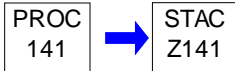
Source ID: 141

Source Name: VEHICLE TRAVEL

Source Capacity/Throughput:

3.400 Each/HR

VEHICLE MILES TRAVELED

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 142

Source Name: TWO ANNEALING FURNACES

Source Capacity/Throughput: 13.000 MMBTU/HR

Conditions for this source occur in the following groups: G05
G07

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).

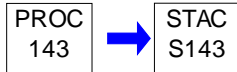
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 143

Source Name: CUMMINS EMERGENCY ENGINE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G05
G07**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx emissions from this unit shall not exceed 0.02 g/bhp-hr or 1.0 tons per year in any consecutive 12 month period.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This unit shall not operate more than 24 hours per consecutive 12 month period unless it is required to be used for emergency situations in which case it shall be limited to a maximum of 500 hours per year in any consecutive 12 month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: VIM FURNACE

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Steel production from this unit shall not exceed 26,250 tons in any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall maintain records of the following:

* Monthly VIM Furnace steel production rates.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 202

Source Name: VAR FURNACES / VIM-VAR

Source Capacity/Throughput:

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

Steel production from the three (3) VAR Furnaces shall not exceed a total of 8,820 tons in any consecutive 12-month period. A fourth VAR Furnace with a production capacity of 2,940 tons per consecutive 12-month period may be constructed during the Title V Operating Permit term.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

At a minimum, the Owner/Operator shall maintain records of the following:

* Monthly VAR Furnaces steel production rates

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

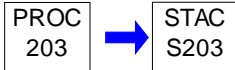
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 203

Source Name: TWO (2) CAR BOTTOM ANNEALING FURNACES - VIMVAR

Source Capacity/Throughput: 16.800 MMBTU/HR

Conditions for this source occur in the following groups: G05
G09**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).

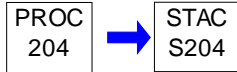
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 204

Source Name: CRUCIBLE & TWO (2) TUNDISH PRE-HEATERS - VIM/VAR

Source Capacity/Throughput: 4.300 MMBTU/HR

Conditions for this source occur in the following groups: G05
G09**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. *****

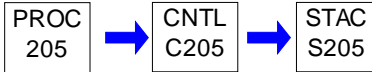
SECTION D. Source Level Requirements

Source ID: 205

Source Name: GRINDING AREA - VIM/VAR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G09

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

PM/PM10 emission rates shall not exceed 0.01 gr/dscf from this emission source.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of this emission source shall not exceed 12 hours per day or 4,380 hours in any consecutive 12-month period.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.11]

General requirements.

Stack testing shall be conducted as follows [Title 25 PA Code §127.12b and §139.11]:

Filterable PM and PM10 testing shall be by EPA Method 5, 5B, 201 or 201A. Testing shall be conducted no less frequently than once every five (5) years. Stack testing shall be conducted in accordance with the provisions of Title 25 PA Code Chapter 139 and the Department's Source Testing Manual.

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The control device for this emission source shall be equipped with gauges to monitor pressure drop across the unit. Pressure drop readings shall be kept using either electronic recording devices or recorded manually on a daily basis while the control device is operating.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall maintain records of the following:

- * Daily and monthly operating hours for the Grinding Area.
- * The maintenance schedule for, and records of, all maintenance activities performed on each fabric filter and scrubber.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall maintain the control device for this emission source in accordance with the manufacturers recommendations. The maintenance schedule for the unit and records of all maintenance activities performed on it shall be maintained in a log and be made available to the Department upon request.

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. *****

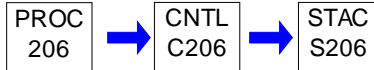
SECTION D. Source Level Requirements

Source ID: 206

Source Name: CRUCIBLE CLEANING STATION - VIM/VAR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G09

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

PM/PM10 emission rates shall not exceed 0.01 gr/dscf from this emission source.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of this emission source shall not exceed 6 hours per day or 2,190 hours in any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall maintain records of the following:

- * Daily and monthly operating hours for the Crucible Cleaning Station.
- * The maintenance schedule for, and records of, all maintenance activities performed on each fabric filter and scrubber.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall maintain the control device for this emission source in accordance with the manufacturers

**SECTION D. Source Level Requirements**

recommendations. The maintenance schedule for this unit and records of all maintenance activities performed on each unit shall be maintained in a log and be made available to the Department upon request.

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. *****

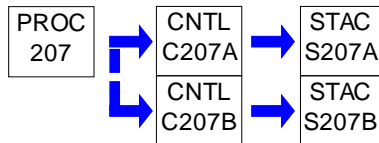
SECTION D. Source Level Requirements

Source ID: 207

Source Name: WELDING STATION - VIMVAR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G09

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

PM/PM10 emission rates shall not exceed 0.01 gr/dscf from this emission source.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of this emission source shall not exceed 10.5 hours per day or 3,833 hours in any consecutive 12-month period.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.11]

General requirements.

Stack testing shall be conducted as follows [Title 25 PA Code §127.12b and §139.11]:

Filterable PM and PM10 testing shall be by EPA Method 5, 5B, 201 or 201A. Testing shall be conducted no less frequently than once every five (5) years. Stack testing shall be conducted in accordance with the provisions of Title 25 PA Code Chapter 139 and the Department's Source Testing Manual.

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The control device for this emission source shall be equipped with gauges to monitor pressure drop across the unit. Pressure drop readings shall be kept using either electronic recording devices or recorded manually on a daily basis while the control device is operating.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall maintain records of the following:

- * Daily and monthly operating hours for the Welding Station.
- * The maintenance schedule for, and records of, all maintenance activities performed on each fabric filter and scrubber.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall maintain the control device for this emission source in accordance with manufacturers recommendations. The maintenance schedule for this unit and records of all maintenance activities performed on it shall be maintained in a log and be made available to the Department upon request.

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: G01

Group Description: RACT Sources >20 mmbtu/hr

Sources included in this group

ID	Name
116	MELT SHOP-#1 CARBOTTOM FURNACE
117	MELT SHOP-#2 CARBOTTOM FURNACE
119	#7 MESTA PRESS CARBOTTOM FURNACE

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 §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit #65-000-016, Condition #13, the Owner/Operator shall submit a complete operating procedure including calibration, QA/QC, and emissions calculations methods to the Department at least 60 days prior to performance of the initial portable monitor testing during the term of the permit. Once approved by the Department, it is not necessary to resubmit the operating procedure for subsequent testing during the term of the permit.

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

In accordance with RACT Operating Permit #65-000-016, Condition #13, the Owner/Operator shall verify the accuracy of the portable monitor readings through concurrent operation and recording of readings during the EPA Method stack test required herein.

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

In accordance with RACT Operating Permit #65-000-016, Condition #11, a minimum of one (1) stack test in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual shall be performed on this source during the five year Operating Permit term for oxides of nitrogen (NOx) and carbon monoxide (CO). Testing shall be conducted while this source is operated under normal operating conditions during the ozone season (April to October) unless otherwise approved by the Department.

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

In accordance with RACT Operating Permit #65-000-016, Condition #12, this source shall be tested annually for NOx and CO emissions through either an EPA Method stack test or through the use of portable monitors. Testing shall be conducted while the source is operating under normal operating conditions during the ozone season (April to October) unless otherwise approved by the Department.

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.**# 005 [25 Pa. Code §129.93]****Presumptive RACT emission limitations**

In accordance with RACT Operating Permit #65-000-016, Conditions #7 and #9, the Owner/Operator shall comply with the following requirements for this source:

(1) Record each tuneup/adjustment conducted on this source in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

SECTION E. Source Group Restrictions.

- (i) The date of the tuning procedure.
 - (ii) The name of the service company and technicians.
 - (iii) The final operating rate or load.
 - (iv) The final CO and NOx emission rates.
 - (v) The final excess oxygen rate.
 - (vi) Other information required by the applicable operating permit.
- (2) The Owner/Operator shall maintain records including a certification from the fuel supplier of the type of fuel.

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.**# 006 [25 Pa. Code §129.93]****Presumptive RACT emission limitations**

In accordance with RACT Operating Permit #65-000-016, Conditions #7 and #9, the Owner/Operator shall comply with the following requirements for this source:

(1) Performance of an annual adjustment or tuneup on the combustion process. This adjustment shall include, at a minimum, the following:

(i) Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(ii) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable minimize emissions of CO.

(iii) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

(2) The Owner/Operator shall make the annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

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: G02

Group Description: RACT Sources <20 mmbtu/hr

Sources included in this group

ID	Name
115	MELT SHOP FURNACES
118	HEATING/COOLING FURNACES MESTA PRESS
122	HEATING & ANNEALING FCES(FORMER SACK PRS
123	16" ROLLING MILL HEATING & COOLING FURNS
124	12" ROLLING MILL HEAT & COOL FURNACES
125	9" ROLLING MILL HEATING & COOLING FURNS
126	ANNEALING/HEAT TREAT FURNACES
127	COLD ROLL FINISHING FURNACES (COILS)
131	PRECISION FORGING FACILITY FURNACES

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 §129.93]****Presumptive RACT emission limitations**

In accordance with RACT Operating Permit #65-000-016, Condition #9, the Owner/Operator shall install, maintain and operate this source in accordance with manufacturers specifications.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: G03

Group Description: Combustion Units

Sources included in this group

ID	Name
031	THERM-I-VAC FURNACE BOILER
043	MISCELLANEOUS COMFORT HEAT, HOT WATER HT
051	TWO (2) NATURAL GAS FIRED BOILERS - VIM/VAR

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

No person may permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period in accordance with 25 Pa. Code Section 123.22(a)(1).

[Compliance with this requirement specified in this streamlined permit condition assures compliance with the provisions specified in the S.I.P. approved SO₂ limits found in 52.202(c)(1).]

003 [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.

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).

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: G05

Group Description: Processes with SO2 requirements

Sources included in this group

ID	Name
101	1- ELECTRIC ARC FURNACE (FURNACE B)
101A	LADLE FURNACE (FORMERLY EAF A)
102	AOD VESSEL REFINING
116	MELT SHOP-#1 CARBOTTOM FURNACE
117	MELT SHOP-#2 CARBOTTOM FURNACE
118	HEATING/COOLING FURNACES MESTA PRESS
119	#7 MESTA PRESS CARBOTTOM FURNACE
120	#55 MESTA PRESS CARBOTTOM FURNACE
121	#50 & #56 MESTA PRESS HOMOGENIZING FCES
122	HEATING & ANNEALING FCES(FORMER SACK PRS
123	16" ROLLING MILL HEATING & COOLING FURNS
124	12" ROLLING MILL HEAT & COOL FURNACES
125	9" ROLLING MILL HEATING & COOLING FURNS
126	ANNEALING/HEAT TREAT FURNACES
127	COLD ROLL FINISHING FURNACES (COILS)
130	(2) STRESS RELIEF FCES - CONT. ROLL MILL
131	PRECISION FORGING FACILITY FURNACES
132	#0 BOX FCE - PRECISION FORGING FACILITY
142	TWO ANNEALING FURNACES
143	CUMMINS EMERGENCY ENGINE
203	TWO (2) CAR BOTTOM ANNEALING FURNACES - VIM/VAR
204	CRUCIBLE & TWO (2) TUNDISH PRE-HEATERS - VIM/VAR

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

001 [25 Pa. Code §123.21]

General

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

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).

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: G06

Group Description: Melt Shop

Sources included in this group

ID	Name
101	1- ELECTRIC ARC FURNACE (FURNACE B)
101A	LADLE FURNACE (FORMERLY EAF A)
103	TEEMING - INGOT POURING

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

In accordance with Plan Approval #PA-65-016E, Condition #5.c., there shall be no fugitive emissions from the Melt Shop or dust-handling system.

[Compliance with this condition ensures meeting the applicable federal standards of 40 CFR 60.272a(a)(3) and 60.272a(b), respectively.]

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

In accordance with Plan Approval #PA-65-016E, Condition #5.d., as determined by the Department, no objectionable odors from the operation of the Melt Shop, the baghouse or the dust-handling system shall be detectable beyond the property line.

[Compliance with this condition ensures meeting the requirements of 25 Pa. Code Section 123.31.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION E. Source Group Restrictions.

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

**SECTION E. Source Group Restrictions.**

Group Name: G07

Group Description: Processes with PM requirements

Sources included in this group

ID	Name
115	MELT SHOP FURNACES
116	MELT SHOP-#1 CARBOTTOM FURNACE
117	MELT SHOP-#2 CARBOTTOM FURNACE
118	HEATING/COOLING FURNACES MESTA PRESS
119	#7 MESTA PRESS CARBOTTOM FURNACE
120	#55 MESTA PRESS CARBOTTOM FURNACE
121	#50 & #56 MESTA PRESS HOMOGENIZING FCES
122	HEATING & ANNEALING FCES(FORMER SACK PRS
123	16" ROLLING MILL HEATING & COOLING FURNS
124	12" ROLLING MILL HEAT & COOL FURNACES
125	9" ROLLING MILL HEATING & COOLING FURNS
126	ANNEALING/HEAT TREAT FURNACES
127	COLD ROLL FINISHING FURNACES (COILS)
130	(2) STRESS RELIEF FCES - CONT. ROLL MILL
142	TWO ANNEALING FURNACES
143	CUMMINS EMERGENCY ENGINE

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

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions into the outdoor atmosphere from this source shall not exceed 0.04 gr/dscf as specified in 25 Pa. Code Section 123.13(c)(1)(i).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: G08

Group Description: Processes with Opacity and PM requirements

Sources included in this group

ID	Name
104	NO 10 ELECTRO-SLAG REMELT
105	VACARC WELDING & SCARFING
108	PRECISION FORGING MACHINE
109	PFF ABRASIVE HOT SAW
110	1-MIDWEST GRINDER - #7
110A	#10 MIDWEST GRINDER
111	GRINDING OPERATIONS
114	HCL ACID ETCH
131	PRECISION FORGING FACILITY FURNACES
132	#0 BOX FCE - PRECISION FORGING FACILITY
134	CRUCIBLE CLEANER SHOT BLASTER
136	BILLET DESCALING (ROTOBLAST) MACHINE
137	WET ABRASIVE CUTOFF SAW (HOT MILL)

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, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

002 [25 Pa. Code §123.41]

Limitations

The Owner/Operator shall not permit the emission into the outdoor atmosphere of visible air contaminants from this source 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.

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).

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: G09

Group Description: VIM/VAR Sources

Sources included in this group

ID	Name
203	TWO (2) CAR BOTTOM ANNEALING FURNACES - VIM/VAR
204	CRUCIBLE & TWO (2) TUNDISH PRE-HEATERS - VIM/VAR
205	GRINDING AREA - VIM/VAR
206	CRUCIBLE CLEANING STATION - VIM/VAR
207	WELDING STATION - VIM/VAR

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Visible emissions from this source(s) shall not exceed 10% opacity for a period or periods aggregating more than 3 minutes in any one hour or equal or exceed 30% opacity at any time.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
051	TWO (2) NATURAL GAS FIRED BOILERS - VIMVAR		
		0.420 Lbs/Hr	CO
		1.800 Tons/Yr in any consecutive 12-month period	CO
		0.250 Lbs/Hr	NOX
		1.100 Tons/Yr in any consecutive 12-month period	NOX
101	1- ELECTRIC ARC FURNACE (FURNACE B)		
		0.003 gr/DRY FT3 (dry standard cubic ft)	PM10
		500.000 PPMV dry basis	SO2
101A	LADLE FURNACE (FORMERLY EAF A)		
		500.000 PPMV dry basis	SO2
102	AOD VESSEL REFINING		
		500.000 PPMV dry basis	SO2
104	NO 10 ELECTRO-SLAG REMELT		
		0.040 gr/DRY FT3	TSP
105	VACARC WELDING & SCARFING		
		0.040 gr/DRY FT3	TSP
108	PRECISION FORGING MACHINE		
		0.040 gr/DRY FT3	TSP
109	PFF ABRASIVE HOT SAW		
		0.040 gr/DRY FT3	TSP
110	1-MIDWEST GRINDER - #7		
		0.040 gr/DRY FT3	TSP
110A	#10 MIDWEST GRINDER		
		0.040 gr/DRY FT3	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description			
111	GRINDING OPERATIONS			
Emission Limit				Pollutant
0.040	gr/DRY FT3			TSP
114	HCL ACID ETCH			
Emission Limit				Pollutant
0.040	gr/DRY FT3			TSP
115	MELT SHOP FURNACES			
Emission Limit				Pollutant
0.040	gr/DRY FT3			PM10
116	MELT SHOP-#1 CARBOTTOM FURNACE			
Emission Limit				Pollutant
0.120	Lbs/MMBTU	heat input		NOX
15.600	Tons/Yr	consecutive 12 month period		NOX
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SO2
117	MELT SHOP-#2 CARBOTTOM FURNACE			
Emission Limit				Pollutant
0.120	Lbs/MMBTU	heat input		NOX
15.600	Tons/Yr	consecutive 12 month period		NOX
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SO2
118	HEATING/COOLING FURNACES MESTA PRESS			
Emission Limit				Pollutant
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SO2
119	#7 MESTA PRESS CARBOTTOM FURNACE			
Emission Limit				Pollutant
0.120	Lbs/MMBTU			NOX
15.600	Tons/Yr	consecutive 12 month period		NOX
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SO2
120	#55 MESTA PRESS CARBOTTOM FURNACE			
Emission Limit				Pollutant
0.040	gr/DRY FT3			PM10
500.000	PPMV	dry basis		SO2

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
121	#50 & #56 MESTA PRESS HOMOGENIZING FCES		
Emission Limit		Pollutant	
2.700	Tons/Yr	each, any consecutive 12 month period	CO
4.700	Tons/Yr	each, any consecutive 12 month period	NOX
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
122	HEATING & ANNEALING FCES(FORMER SACK PRS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
123	16" ROLLING MILL HEATING & COOLING FURNS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
124	12" ROLLING MILL HEAT & COOL FURNACES		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
125	9" ROLLING MILL HEATING & COOLING FURNS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
126	ANNEALING/HEAT TREAT FURNACES		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
127	COLD ROLL FINISHING FURNACES (COILS)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
130	(2) STRESS RELIEF FCES - CONT. ROLL MILL		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
131	PRECISION FORGING FACILITY FURNACES		
Emission Limit		Pollutant	
500.000	PPMV	dry basis	SO2
0.040	gr/DRY FT3		TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
132	#0 BOX FCE - PRECISION FORGING FACILITY		
Emission Limit		Pollutant	
4.800	Tons/Yr	any consecutive 12 month period	CO
6.300	Tons/Yr	any consecutive 12 month period	NOX
500.000	PPMV	dry basis	SO2
0.040	gr/DRY FT3		TSP
134	CRUCIBLE CLEANER SHOT BLASTER		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		TSP
136	BILLET DESCALING (ROTOBLAST) MACHINE		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		TSP
137	WET ABRASIVE CUTOFF SAW (HOT MILL)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		TSP
142	TWO ANNEALING FURNACES		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
143	CUMMINS EMERGENCY ENGINE		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
500.000	PPMV	dry basis	SO2
203	TWO (2) CAR BOTTOM ANNEALING FURNACES - VIMVAR		
Emission Limit		Pollutant	
500.000	PPMV	dry basis	SO2
204	CRUCIBLE & TWO (2) TUNDISH PRE-HEATERS - VIMVAR		
Emission Limit		Pollutant	
500.000	PPMV	dry basis	SO2

Site Emission Restriction Summary

Emission Limit	Pollutant
----------------	-----------



SECTION G. Emission Restriction Summary.

**SECTION H. Miscellaneous.**

1) Source #031 - Therm-I-Vac Furnace Boiler: This source includes the following:

Therm-I-Vac Furnace Boiler (24.0 mmbtu/hr)
Therm-I-Vac Furnace (electric)

2) Source #107 - #8 Midwest Grinder: This source was formerly #5 Midwest (Billet) Grinder under OP #65-307-019. In 8/98, #5 Midwest Grinder was to be moved to the Billet Conditioning Dept. to replace #1 and #2 Billet Grinders (OP# 65-307-025) but that plan has yet to be implemented. #5 Midwest Grinder is presently in storage.

3) Source #110 - Midwest Grinders #7: This source previously had 3 Midwest Grinders & 1 Tysaman Grinder under OP #65-307-025. The Tysaman Grinder has since been removed. In 8/98, LSC submitted an RFD to scrap and replace #1 and #2 Midwest Grinders with #5 Midwest Grinder from OP #65-307-019 but that plan has yet to be implemented. #5 Midwest Grinder is presently in storage.

4) Source #111 - Grinding Operations: This source combines a number of small grinders as follows: G & B grinders (2) & Fox grinders(2) controlled by a Wheelabrator M108 baghouse, CMI billet grinder controlled by a Wheelabrator 90 MOD 108 and Surface Grinding - SPD(4 units) - Mattison - wet abrasive which are uncontrolled.

5) Source #115 - Melt Shop Furnaces: This source includes the following:

Vessel Heater #1 and #2
AOD Equipment Preheaters
Ladle Heaters
Two new Ladle Preheaters (4.2 mmbtu/hr each, installed thru RFD 6/98)

6) Source #118 - Heating/Cooling Furnaces Mesta Press: This source includes the following:

Box Furnaces Nos. 2P* (9.2 mmbtu/hr),3P,8P,9P,10P (heating)
Carbottom Furnaces Nos. 4P,5P,6P,13P,14P,48H,49H,51H (heating or cooling)
Erbrecht Consulting preheat furnace 8.6 mmbtu/hr installed thru RFD, 9/97
* 2P installed in 11/01 under RFD and replaces an 18.2 mmbtu/hr furnace

7) Source #121 - #50 & #56 Mesta Press Homogenizing Furnaces: These furnaces replace #50 carbottom furnace and were installed under #OP-65-016B.

8) Source #122 - Heating & Annealing Furnaces (Former Sack Press): This source includes the following:

Box Furnaces Nos. 5H,6H,16H, 54H (heating/preheating)
Carbottom Furnaces Nos. 4A,5A*,6A,7A,8A,9A,10A (Annealing)
*5A installed in 9/00 under RFD and replaces a 4 mmbtu/hr furnace

9) Source #123 - 16" Rolling Mill Heating & Cooling: This source includes the following:

Box Furnaces Nos. 1,2,3,4,5,6,7 (heating)
Carbottom Furnaces Nos. 11,12,13 (cooling)

10) Source #124 - 12" Rolling Mill Heating & Cooling Furnaces: This source includes the following:

Box Furnace Nos. 1,2,3,4 (heating)
Carbottom Furnace No. 5 (cooling)
cooling rack

11) Source #125 - 9" Rolling Mill Heating & Cooling Furnaces: This source includes the following:

Box Furnace Nos. 2 & 3 (heating)
Carbottom Furnace No. 4 (annealing)

12) Source #126 - Annealing/Heat Treat Furnaces: This source includes the following:

Carbottom Furnaces 2A,3A,14A,15A,16A,25A,26A,27A,30A,31A,32A
SCA Bar Continuous Annealing Furnace- SCA Bar
RX Generator
DX Generator

**SECTION H. Miscellaneous.**

GE Continuous Annealing Furnace
 Thermolene Generator
 Exolene Generator
 Erbrecht Annealing Furnace, 6.0 mmbtu/hr, installed thru RFD, 9/1997
 New natural gas-fired annealing furnace, 5.0 mmbtu/hr, installed thru RFD, 7/2007

13) Source #127 - Cold Roll Finishing Furnaces (Coils): This source includes the following:

Cold Mill Finishing Furnaces - 2 Box Furnaces (heating)
 Continuous Annealing Furnaces - Continuous Annealing Furnace
 RX Generator
 DX Generator
 Pickle House (Boiler, Heating and Misc Equip)

14) Source #131 - Precision Forging Facility Furnaces: This source was installed under OP #65-307-065 (see file #65-307-065A) and includes the following:

Precision Forging Facility Furnaces - Box Furnaces Nos. 1,2,3 (low Nox preheating)
 Carbottom Furnace Nos. 1,2 (annealing)
 Walking Beam Furnace (annealing)
 Rotary Hearth Furnace (heating)

15) Source #138 - Misc. Hot Rolling & Hot Shearing: This source includes the following:

Hot Rolling and Hot Shearing operations in the 16" Mill, 12" Mill and 9" Mill

16) The following de minimis activities were approved by the Department:

Slag Handling & Torch Cutting Operations, 0.6 tpy PM10, RFD #65-00016D
 Construction of Cummins Model #DSFAE, diesel-fired emergency generator, 0.03 tpy NOx, RFD #65-00016E
 Construction of spray-on rust inhibitor process, 1.0 tpy VOC, RFD #65-00016F

17) Insignificant activities at this facility include the following sources:

Scrap Metal Handling
 Scrap Flame Cutting
 Grinding - Hot Mill A
 Abrasive Cutting - Hot Mill B
 Abrasive Cutting - Cold Mill
 Small Grinding Operations
 Warehouse Cutting
 Grinding - I-Lab Department
 Abrasive Cutting - I-Lab Department
 Grinding - Special Products Department

18) Since the issuance of the draft TVOP in July 2012, the following RFDs have been reviewed and exempted from plan approval requirements by DEP AQ. The RFDs have been incorporated into the renewal TVOP issued on Jan. 4, 2013.

* 65-00016L: Replacement of #8 Midwest Grinder Baghouse, new Control Device #C07A, controlling emissions from existing #8 Midwest Grinder, Source #107. Additional conditions from the RFD have been added to the TVOP.

* 65-00016M: Installation and Operation of 3 Additional VAR furnaces, Source #133.

* 65-00016N: Installaiton and Operation of #10 Midwest Grinder, new Source #110A, being controlled by existing Control Device, #C10.



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