



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: December 1, 2022      Effective Date: September 11, 2023  
Revision Date: September 11, 2023      Expiration Date: December 31, 2027  
Revision Type: Modification, Significant

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: 44-05001

Federal Tax Id - Plant Code: 32-0020058-1

Owner Information

Name: STD STEEL LLC  
Mailing Address: 500 N WALNUT ST  
BURNHAM, PA 17009-1644

Plant Information

Plant: STD STEEL/BURNHAM  
Location: 44 Mifflin County      44802 Burnham Borough  
SIC Code: 3312 Manufacturing - Blast Furnaces And Steel Mills

Responsible Official

Name: JOSEPH HUGHES  
Title: SENIOR VICE PRESIDENT  
Phone: (717) 242 - 4946      Email: jhughes@standardsteel.com

Permit Contact Person

Name: DALE A STEHLEY  
Title: ENVIRONMENTAL ENGINEER  
Phone: (717) 242 - 4629      Email: DStehley@standardsteel.com

[Signature] \_\_\_\_\_  
WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
039	LADLE HEATERS 8500 & 8501	6.000 MCF/HR	NATURAL GAS
040	LADLE HEATER 8527	4.200 MCF/HR	NATURAL GAS
040A	TWO LADLE PREHEATERS, LPH1 & LPH2	13.800 MMBTU/HR	
		13.800 MCF/HR	NATURAL GAS
041	GEN #1 ONAN 30EK, FORD, 66.2 HP, NG		
042	GEN #3, ONAN 170, WAUKESHA, 228 HP, NG		
043	GEN #4, ONAN 12JC, WAUKESHA, 30.1 HP, NG		
045	GEN #6, CATERPILLAR C15, 713 HP, DIESEL		
102	NO 2 ELECTRIC ARC FURNACE (LECTROMELT)	12.000 Tons/HR	ALLOY/CARB. STL.
103A	LADLE METALLURGICAL FURNACE, TENOVA-CORE, 47 TPH, 15 MVA		
104A	NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA		
108	MULTI-TORCH CUTOFF 8385 & 8389	60.000 Tons/HR	STEEL INGOT
		2.400 MCF/HR	NATURAL GAS
110	EAF BAGHOUSE DUST HANDLING SYSTEM		
113	DUAL CHAMBER VACUUM TANK DEGASSER (VTD), TENOVA-CORE		
165	AXLE TORCH CUT-OFF (AFM)	0.300 MCF/HR	Natural Gas
201	CONTINUOUS CONVEYOR HEAT TREAT FURNACES	16.080 MCF/HR	NATURAL GAS
201B	AFM 8139 CONT. CONVEYOR	13.400 MCF/HR	NATURAL GAS
201C	AFM 8140 CONT. CONVEYOR	15.080 MCF/HR	NATURAL GAS
204	AFM 8141 WALKING BEAM	38.800 MCF/HR	FORGINGS
401	CDFS 8121 ROTARY HEARTH	71.000 MCF/HR	NATURAL GAS
		N/A	
404	ROTARY AUSTENITIZING FURNACE	39.100 MCF/HR	NATURAL GAS
405	TEMPERING FURNACE	14.000 MCF/HR	NATURAL GAS
502A	BAY30 8055 CONT. CAR DRAW	3.600 MCF/HR	N. GAS
502B	WHEEL HEAT TREATING, 8054 CONT. CAR FURNACE	15.800 MCF/HR	N. GAS
601	NON- PRODUCTION VOC USAGE		
603	COLD CLEANING PARTS WASHERS		
C101	BAGHOUSE, WHEELABRATOR		
C101A	BAGHOUSE, SCHUST		
C108A	BAGHOUSE, TCO 8385, MULTI-TORCH CUTOFF		
C108B	BAGHOUSE, TCO 8389, MULTI-TORCH CUTOFF		
C110	CONTROL, EAF BAGHOUSE DUST HANDLING SYSTEM		
C113	CONTROL, VTD HIGH EFFICIENCY FILTER, INLINE DUST COLLECTOR		
FM001	NATURAL GAS PIPELINE		
FM002	#2 FUEL OIL SUPPLY FOR GENERATOR #6		
S041	STACK GEN 1		
S042	STACK GEN 3		

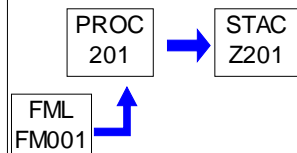
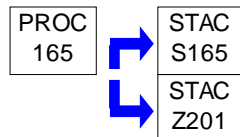
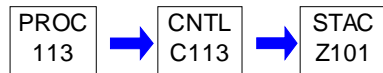
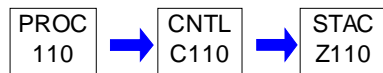
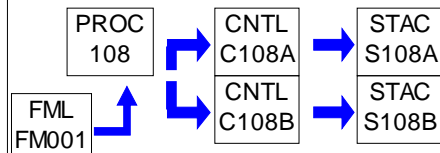
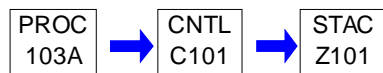
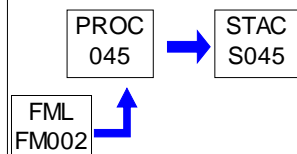
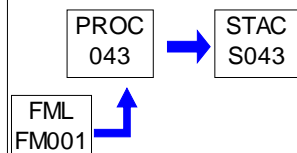
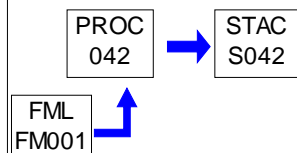
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S043	STACK GEN 4		
S045	STACK GEN 6		
S108A	STACK, TORCH CUTOFF		
S108B	STACK, TORCH CUTOFF		
S165	STACK, AXLETORCH CUTOFF		
S204	STACK, AFM8141WALKING BEAM		
S502A	STACK, CCDF8055		
S502B	STACK, CCF8054		
Z101	FUGITIVE, STEEL MELTING, CONTROL ID 101, WHEELABRATOR		
Z101A	FUGITIVE, STEEL MELTING CONTROL ID 101A, SCHUST		
Z110	FUGITIVE, BAGHOUSE DUST HANDLING SYSTEM (SCHUST&WHEELABRAT))		
Z201	FUGITIVE, REHEAT BLDING. AFM		
Z401	FUGITIVE, REHEAT BLDING CDFS		
Z404	FUGITIVE, ROTARY AUSTENITIZING FURNACE, 13 DAMPER STUBS		
Z405	FUGITIVE, TEMPERING FURNACE		
Z600	FUGITIVE, SOLVENT		

**PERMIT MAPS**

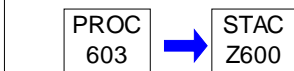
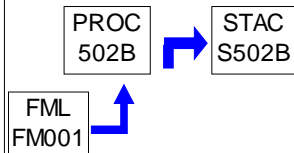
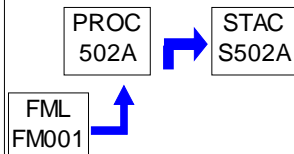
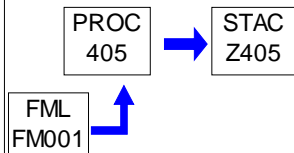
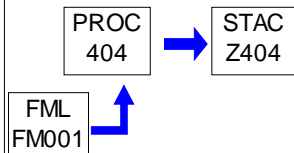
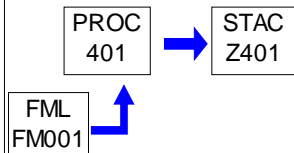
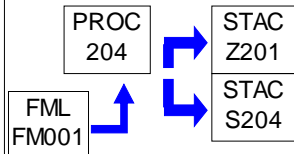
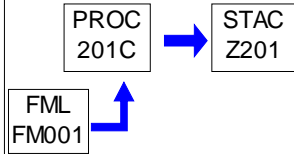
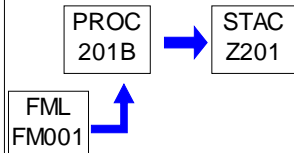


## PERMIT MAPS





## PERMIT MAPS



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

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

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

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

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

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

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

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

**#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]****Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

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

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

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

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

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

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit 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



**SECTION B. General Title V Requirements**

the Department.

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

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

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

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

**SECTION B. General Title V Requirements**

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

- (1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.
- (2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.
- (3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

**#019 [25 Pa. Code §§ 127.14(b) & 127.449]****Authorization for De Minimis Emission Increases**

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

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

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

**SECTION B. General Title V Requirements**

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

**#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]****Submissions**

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

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

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division  
Air, RCRA and Toxics Branch (3ED21)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at [R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov).

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

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

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

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

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

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

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

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

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

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

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

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

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

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

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



**SECTION B. General Title V Requirements**

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

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

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

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

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

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

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

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

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

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

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

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

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

**#031 [25 Pa. Code §135.3]****Reporting**

(a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

**#032 [25 Pa. Code §135.4]****Report Format**

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

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

The permittee shall not allow the emission into the outdoor atmosphere of any fugitive air contaminant from a source other than the following:

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

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

The permittee shall not allow the emission of particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001 if the emissions are visible at the point the emissions pass outside the permittee's property.

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

The permittee shall not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

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

The permittee shall not allow the emission into the outdoor atmosphere of visible air contaminants in a manner that the opacity of the emission is either of the following:

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

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

The emission limitation of 25 Pa. Code §123.41 shall not apply when:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitation.
- (b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of

**SECTION C. Site Level Requirements**

visible emissions.

(c) The emission results from sources specified in Section C, Condition #001.

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

The facility's actual emissions of hazardous air pollutants (HAP) shall be limited to less than the following quantities, based on any consecutive 12-month running total:

(a) Any single HAP: 10 tons, and

(b) Combined HAPs: 25 tons.

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

The facility's annual finished steel production from the melt shop shall be limited to 288,000 tons per calendar year.

**II. TESTING REQUIREMENTS.****# 008 [25 Pa. Code §139.1]****Sampling facilities.**

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

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

Visible air contaminants may be observed or measured using the following methods:

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

(b) Observers, familiar with EPA Method 22 to identify visible emissions.

(c) Observers, trained and certified in EPA Method 9 to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

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

(a) Visible emissions in excess of the limits stated in Section C, Condition #005. Visible emissions may be observed or measured according to the methods specified in Section C, Condition #010. Observed visible emissions shall be measured using EPA Method 9 within two hours by a certified observer. Alternatively, plant personnel who observe such emissions may report the incidence of visible emissions to the Department within two hours of each incident and make arrangements for a certified observer to measure the visible emissions.

(b) The presence of fugitive emissions beyond the plant property boundaries, as stated in Section C, Condition #002.

(c) The presence of malodorous air contaminants beyond the plant property boundaries as stated in Section C, Condition #004.

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

The permittee shall maintain a logbook for recording status of odorous air contaminants, visible emissions and fugitive visible emission exceedences. The logbook shall also include the name of the facility representative, and the date and time the monitoring was conducted and wind direction. A logbook can be maintained using electronic media.

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

The permittee shall maintain the following records:

(a) Monthly record of NO<sub>x</sub> emissions from each source listed in Section A of this permit. The emissions may be calculated from the stack test emission rate, operating hour and/or fuel usage data, and steel production where applicable. The fuel usage of the sources may be grouped as per the fuel metering for each shop.

(b) Monthly, and annual record of facility VOC and HAPs /HAP emissions, based on any consecutive 12-month rolling total.

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

The permittee shall report malfunctions which occur at the facility to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, a malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or unusual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(1) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. Telephone reports can be made to the Air Quality Program at 717-705-4702 during normal business hours, or to the Department's Emergency Hotline 1800-541-2050 at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(2) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of paragraph (a) above, shall be reported to the Department, in writing, within five (5) days of discovery of the malfunction.

**# 014 [25 Pa. Code §135.3]  
Reporting**

(a) An annual report containing information for all sources listed in this operating permit, new sources which were first operated during preceding year and sources modified during the same period shall be submitted to the Department's Air Quality District Supervisor. The report for January 1 through December 31 is due no later than March 1 of the following year.

(b) The permittee may request an extension of time from the Department for filing the report specified in paragraph (a), above, and the Department may grant the extension for reasonable cause.

**VI. WORK PRACTICE REQUIREMENTS.****# 015 [25 Pa. Code §123.1]  
Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from a source identified in Section C, Condition #001 from becoming airborne, as per §123.1(c). These actions shall include, but are not limited to, the following:

(a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

**SECTION C. Site Level Requirements**

- (b) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

**# 016 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The sources and control devices, referenced in Section A of this permit, shall be operated and maintained in accordance with the manufacturers' specifications, or as per operational handbook(s).

**VII. ADDITIONAL REQUIREMENTS.****# 017 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

Per Site Level Category VIII COMPLIANCE CERTIFICATION BELOW, as alternative to Section B Condition #022(b), forward the annual compliance certification report electronically to EPA, in lieu of the hard copy version, to the email address: R3\_APD\_Permits@epa.gov

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

In the event that any federal Subpart that is referenced in this permit is revised the permittee shall comply with the applicable requirements of the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**# 019 [25 Pa. Code §129.14]****Open burning operations**

- (a) No person shall conduct open burning of materials in such a manner that:
- (1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.
  - (2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.
  - (3) The emissions interfere with the reasonable enjoyment of life and property.
  - (4) The emission cause damage to vegetation or property.
  - (5) The emissions are or may be deleterious to human or animal health.
- (b) Exceptions. The requirements of Subsection (a) do not apply where the open burning operations result from:
- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public official.
  - (2) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
  - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
  - (4) A fire set solely for recreational or ceremonial purposes.
  - (5) A fire set solely for cooking food.
- (c) This permit does not constitute authorization to burn solid waste pursuant to Section 610 (3) of the Solid Waste



**SECTION C. Site Level Requirements**

Management Act, 35 P. S. Section 6018.610 (3), or any other provision of the Solid Waste Management Act.

**# 020 [25 Pa. Code §137.5]  
Implementation of emission reduction procedures**

The permittee responsible for the operation of a source whose emission may affect air quality in that area shall implement the standby plan required by 25 PA Code, Section 137.4, if the Department declares that an alert, warning, or emergency levels exists in the area of the Commonwealth. The Department shall contact the permittee for required actions.

**VIII. COMPLIANCE CERTIFICATION.**

The permittee shall submit within thirty days of 01/01/2023 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 039

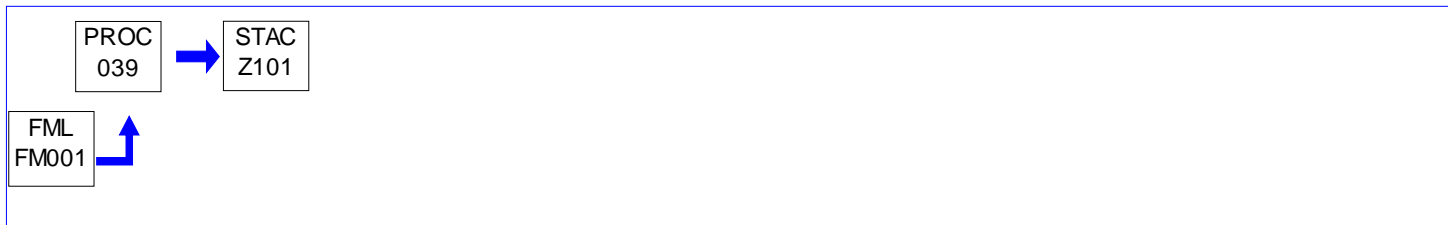
Source Name: LADLE HEATERS 8500 &amp; 8501

Source Capacity/Throughput:

6.000 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: 10  
11  
13

**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: 040

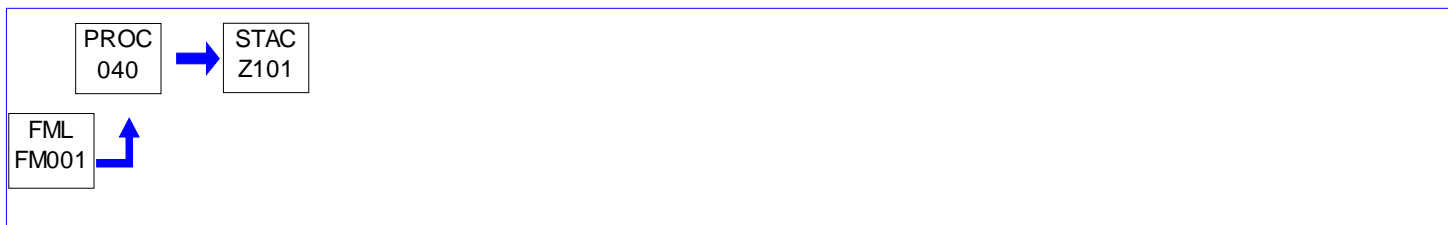
Source Name: LADLE HEATER 8527

Source Capacity/Throughput:

4.200 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: 10  
11  
13

**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: 040A

Source Name: TWO LADLE PREHEATERS, LPH1 &amp; LPH2

Source Capacity/Throughput: 13.800 MMBTU/HR  
13.800 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: 13

**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: 041

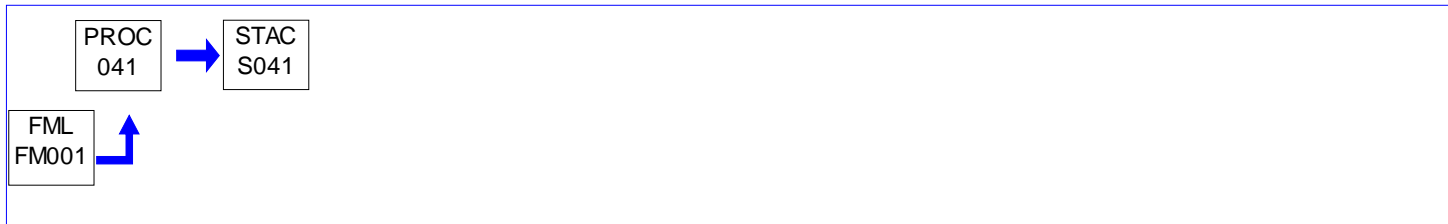
Source Name: GEN #1 ONAN 30EK, FORD, 66.2 HP, NG

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 09

10

13

**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: 042

Source Name: GEN #3, ONAN 170, WAUKESHA, 228 HP, NG

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 09

10

**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).

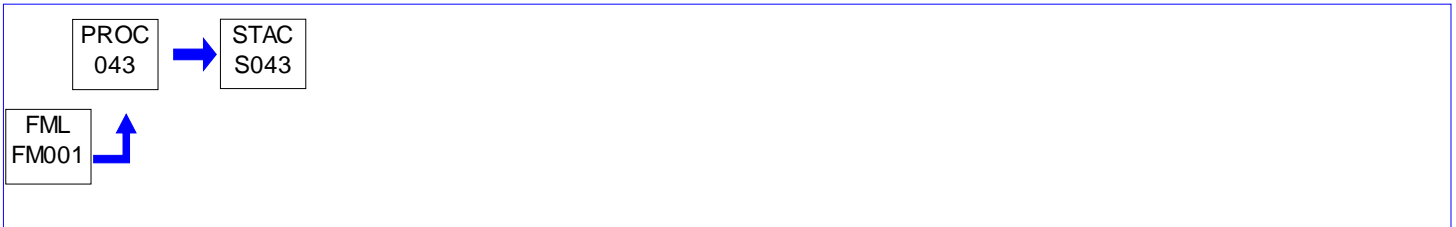
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 043

Source Name: GEN #4, ONAN 12JC, WAUKESHA, 30.1 HP, NG

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 09  
10**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: 045

Source Name: GEN #6, CATERPILLAR C15, 713 HP, DIESEL

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 10

13

**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.**

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]**  
**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**Am I subject to this subpart?**

§ 60.4200 Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

**SECTION D. Source Level Requirements**

(1) [NA NOT AN ENGINE MANUFACTURER]

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

(i) Manufactured after April 1, 2006, and are not fire pump engines, or

(ii) [NA - NOT FIRE PUMP ENGINE]

(3) [NA - NOT MODIFIED OR RECONSTRUCTED]

(4) The provisions of § 60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

(b) [NA – TEST CELL NOT INVOLVED]

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

(d) Stationary CI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C, except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

(e) [NA – NOT TEMPORARY REPLACEMENT UNIT(S)]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37967, June 28, 2011; 86 FR 34357, June 29, 2021]

Emission Standards for Owners and Operators

§ 60.4204 What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

[NA – UNIT(S) ARE EMERGENCY]

§ 60.4205 What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

(a) [NA – ENGINE(S) 2007 MODEL YEAR OR LATER]

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

[SEE 60.4202 REQUIREMENTS]

(c) [NA - NOT FIRE PUMP ENGINES]

(d) [NA - UNITS(S) < 30 L/CYL]

(e) [NA - DOES NOT CONDUCT PERFORMANCE TESTS IN USE]

(f) [NA - NOT MODIFIED/RECONSTRUCTED]

**SECTION D. Source Level Requirements**

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 86 FR 34357, June 29, 2021]

§ 60.4206 How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§ 60.4204 and 60.4205 over the entire life of the engine.

[76 FR 37969, June 28, 2011]

Fuel Requirements for Owners and Operators

§ 60.4207 What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?

(a) [Reserved]

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

(c) [Reserved]

(d) [NA - UNITS(S) < 30 L/CYL]

(e) [NA – NO NATIONAL SECURITY EXEMPTION]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 85 FR 78463, Dec. 4, 2020]

Other Requirements for Owners and Operators

§ 60.4208 What is the deadline for importing or installing stationary CI ICE produced in previous model years?

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) After December 31, 2009, owners and operators may not install stationary CI ICE with a maximum engine power of less than 19 KW (25 HP) (excluding fire pump engines) that do not meet the applicable requirements for 2008 model year engines.

(c) - (g) [NA - UNIT(S) ARE EMERGENCY]

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

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

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

§ 60.4209 What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in § 60.4211.

**SECTION D. Source Level Requirements**

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in § 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011]

**Compliance Requirements**

§ 60.4211 What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR part 1068, as they apply to you.

(b) [NA – POST-2006 MODEL]

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in § 60.4204(b) or § 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in § 60.4205(c), you must comply by purchasing an engine certified to the emission standards in § 60.4204(b), or § 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section. [THE FACILITY HAS PROVIDED THE EPA EMISSIONS CERTIFICATE NUMBERS FOR THESE UNITS]

(d) [NA - UNITS NOT SUBJECT TO § 60.4204(c) or § 60.4205(d)]

(e) [NA - NOT MODIFIED/RECONSTRUCTED]

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner



**SECTION D. Source Level Requirements**

or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) [VACATED PER COURT ORDER AS OF 5/2/16]

(iii) [VACATED PER COURT ORDER AS OF 5/2/16]

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(1) If you are an owner or operator of a stationary CI internal combustion engine with maximum engine power less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if you do not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action.

(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a

**SECTION D. Source Level Requirements**

maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(h) The requirements for operators and prohibited acts specified in 40 CFR 1039.665 apply to owners or operators of stationary CI ICE equipped with AECs for qualified emergency situations as allowed by 40 CFR 1039.665.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 86 FR 34359 June 29, 2021]

**Testing Requirements for Owners and Operators**

§ 60.4212 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?

[NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4211 (g)]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37971, June 28, 2011]

§ 60.4213 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of greater than or equal to 30 liters per cylinder?

[NA – DISPLACEMENT <30 L/CYL]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37971, June 28, 2011]

**Notification, Reports, and Records for Owners and Operators**

§ 60.4214 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) [NA – UNIT(S) ARE EMERGENCY]

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached.

(d) If you own or operate an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in § 60.4211(f)(3)(i), you must submit an annual report according to the requirements in paragraphs (d)(1) through (3) of this section. [NOTE: 40 §60.4211(f)(2)(ii) and (iii) VACATED PER COURT ORDER AS OF 5/2/16]

(1) The report must contain the following information:

**SECTION D. Source Level Requirements**

- (i) Company name and address where the engine is located.
  - (ii) Date of the report and beginning and ending dates of the reporting period.
  - (iii) Engine site rating and model year.
  - (iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
  - (v) Hours operated for the purposes specified in § 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(2)(ii) and (iii).
  - (vi) Number of hours the engine is contractually obligated to be available for the purposes specified in § 60.4211(f)(2)(ii) and (iii).
  - (vii) Hours spent for operation for the purposes specified in § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.
- (2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.
- (3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in §60.4.
- (e) Owners or operators of stationary CI ICE equipped with AECDs pursuant to the requirements of 40 CFR 1039.665 must report the use of AECDs as required by 40 CFR 1039.665(e).

[71 FR 39172, July 11, 2006, as amended at 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7, 2016]

#### General Provisions

§ 60.4218 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

#### Definitions

§ 60.4219 What definitions apply to this subpart? [INCORPORATED BY REFERENCE]

#### Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart IIII shall comply with all applicable requirements of the Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Director  
Air Protection Division (3AP00)  
U.S. EPA Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager

**SECTION D. Source Level Requirements**

PA Department of Environmental Protection  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

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

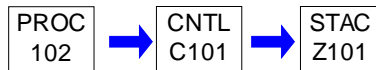
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: NO 2 ELECTRIC ARC FURNACE (LECTROMELT)

Source Capacity/Throughput: 12.000 Tons/HR ALLOY/CARB. STL.

Conditions for this source occur in the following groups: 02  
04  
06  
11  
12  
13

**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. \*\*\***

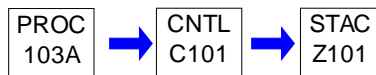
**SECTION D. Source Level Requirements**

Source ID: 103A

Source Name: LADLE METALLURGICAL FURNACE, TENOVA-CORE, 47 TPH,15 MVA

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02  
04  
13

**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.****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The LMF direct evacuation hood fit shall be maintained in a manner to minimize ambient air infiltration. The permittee shall operate the hood and evacuation systems in accordance with the manufacturer's specifications.

**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: 104A

Source Name: NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02

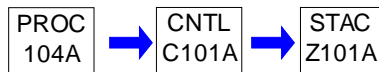
04

06

07

12

13

**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.****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The No. 4A EAF direct evacuation hood fit shall be maintained in a manner to minimize ambient air infiltration. The permittee shall operate the hood and evacuation systems in accordance with the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: MULTI-TORCH CUTOFF 8385 &amp; 8389

Source Capacity/Throughput:

60.000 Tons/HR

STEEL INGOT

2.400 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: 10

13

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person shall permit the emission into the outdoor atmosphere of particulate matter from Source ID 108 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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



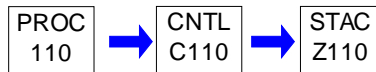
**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: EAF BAGHOUSE DUST HANDLING SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 07

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

(a) On weekly basis, the permittee shall monitor and record the Source ID 110 dust collector cartridge filter (Control ID C110) compartment pressure differential.

(b) The records shall be retained at site, or in electronic format for five years and shall be made available to the Department representative upon request.

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

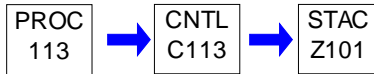
**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: DUAL CHAMBER VACUUM TANK DEGASSER (VTD), TENOVA-CORE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 02

**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**

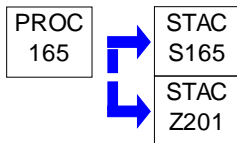
Source ID: 165

Source Name: AXLE TORCH CUT-OFF (AFM)

Source Capacity/Throughput:

0.300 MCF/HR

Natural Gas

**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: 201

Source Name: CONTINUOUS CONVEYOR HEAT TREAT FURNACES

Source Capacity/Throughput: 16.080 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: 03  
 10  
 11  
 13

**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: 201B

Source Name: AFM 8139 CONT. CONVEYOR

Source Capacity/Throughput:

13.400 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: 03

10

11

13

**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: 201C

Source Name: AFM 8140 CONT. CONVEYOR

Source Capacity/Throughput:

15.080 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: 03

10

11

13

**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: AFM 8141 WALKING BEAM

Source Capacity/Throughput:

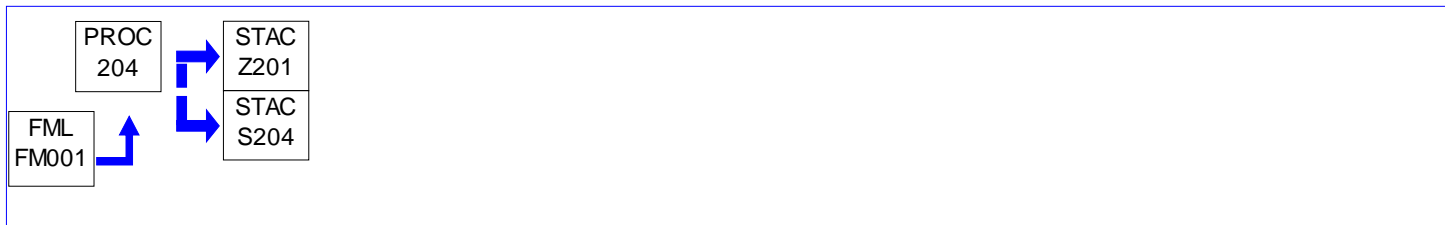
38.800 MCF/HR

FORGINGS

Conditions for this source occur in the following groups: 03

11

12

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The NO<sub>x</sub> emissions from Source 204 shall remain less than 17 tons per any consecutive 12 months. At this level of emissions, add-on controls were deemed to be cost-ineffective for RACT 2. Compliance with Source 204 12-month rolling NO<sub>x</sub> cap shall be demonstrated by monitoring and recording the actual fuel use of Source ID No. 204.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

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





**SECTION D. Source Level Requirements**

Source ID: 401

Source Name: CDFS 8121 ROTARY HEARTH

Source Capacity/Throughput: 71.000 MCF/HR NATURAL GAS  
N/A

Conditions for this source occur in the following groups: 03  
10  
11  
12  
13



**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).

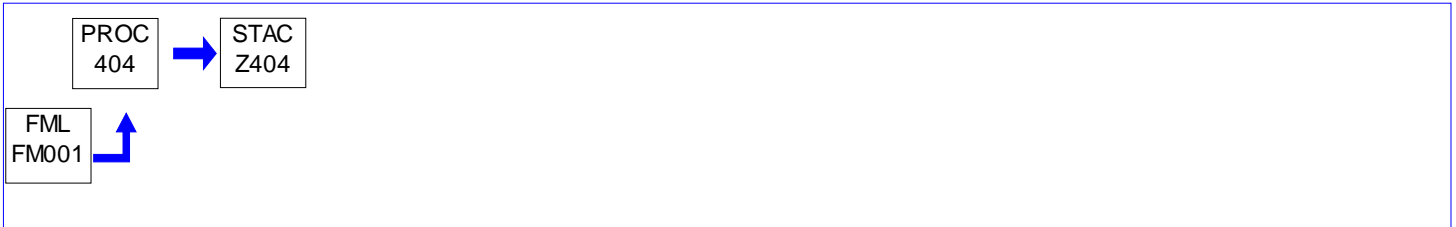
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 404

Source Name: ROTARY AUSTENITIZING FURNACE

Source Capacity/Throughput: 39.100 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: 05  
12**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The NO<sub>x</sub> emissions from Source 404 shall remain less than 11.82 tons per any consecutive 12 months. At this level of emissions, add-on controls were deemed to be cost-ineffective for RACT 2. Compliance with Source 404 12-month rolling NO<sub>x</sub> cap shall be demonstrated by monitoring and recording the actual fuel use of Source ID No. 204.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

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

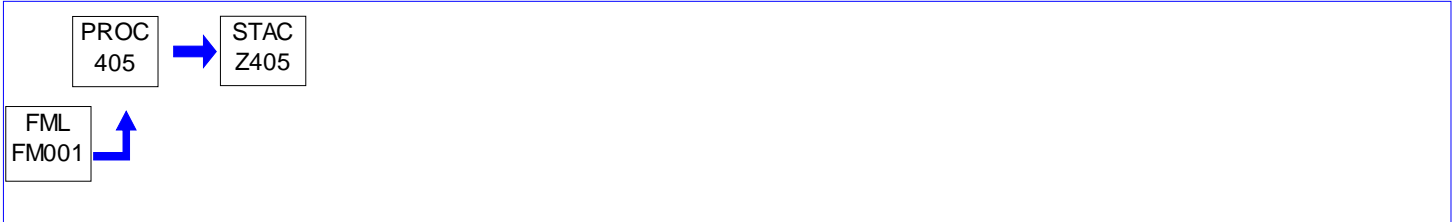
**SECTION D. Source Level Requirements**

Source ID: 405

Source Name: TEMPERING FURNACE

Source Capacity/Throughput: 14.000 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: 05  
10  
13

**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: 502A

Source Name: BAY30 8055 CONT. CAR DRAW

Source Capacity/Throughput:

3.600 MCF/HR

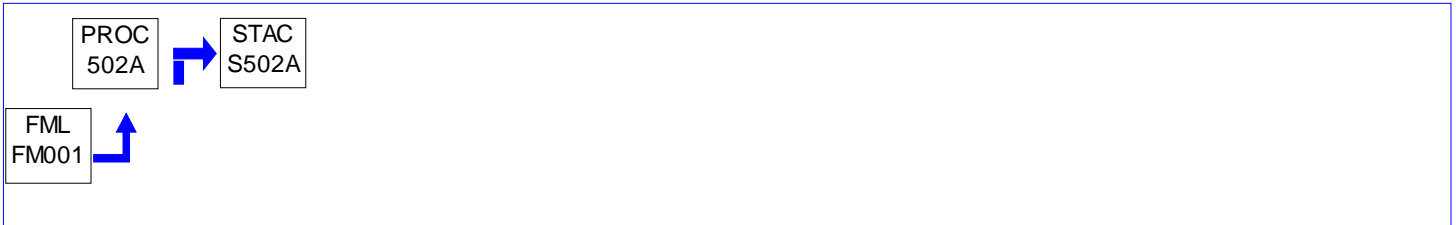
N. GAS

Conditions for this source occur in the following groups: 03

10

11

13

**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: 502B

Source Name: WHEEL HEAT TREATING, 8054 CONT. CAR FURNACE

Source Capacity/Throughput:

15.800 MCF/HR

N. GAS

Conditions for this source occur in the following groups: 03

10

11

13

**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. \*\*\***

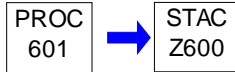
**SECTION D. Source Level Requirements**

Source ID: 601

Source Name: NON- PRODUCTION VOC USAGE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

**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).

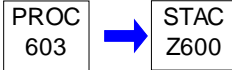
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 603

Source Name: COLD CLEANING PARTS WASHERS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

- (a) 25 Pa. Code §129.63 applies to cold cleaning machines (parts washers) that use two gallons or more of solvents containing greater than five percent volatile organic compounds (VOC) content by weight for the cleaning of metal parts.
- (b) The permittee may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5 percent VOC by weight, measured at 20°C (68°F) containing VOCs, as per §129.63(a)(4).
- (c) As per §129.63(a)(7), the requirement in above (b) does not apply:
- (i) To cold cleaning machines used in extreme cleaning service.
  - (ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with this condition will result in unsafe operating conditions.
  - (iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

**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.**

The permittee shall keep record of annual VOC emissions.

**# 003 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall maintain for at least two (2) years and shall provide to the Department, on request, the following information:

- (a) The name and address of the solvent supplier.
- (b) The type of solvent including the product or vendor identification number.
- (c) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

An invoice, bill of sale, certificate that corresponds to a number of sales, Safety Data Sheet (SDS), or other appropriate documentation acceptable to the Department may be used to comply with this section, as per §129.63(a) (5) and (6).



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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.63]****Degreasing operations**

Cold cleaning machine shall be equipped with a cover that shall be closed at all times except during cleaning of parts or addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six (6) inches shall constitute an acceptable cover, as per Section 129.63(a)(2)(ii).

**# 005 [25 Pa. Code §129.63]****Degreasing operations**

As per Section 129.63(a)(2), the permittee shall operate the cold cleaning machines in accordance with the following procedures:

- (a) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (b) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.
- (d) Air agitated solvent baths may not be used.
- (e) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

**# 006 [25 Pa. Code §129.63]****Degreasing operations**

For immersion cold cleaning machines and remote reservoir cold cleaning machines, the permittee shall:

Have a permanent, conspicuous label summarizing the operating requirements in above Condition #006. In addition, the label shall include the following discretionary good operating practices:

- (a) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.
- (b) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- (c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

**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: 02

Group Description: Electric Arc Furnaces (EAFs), LMF and VTD, Steel Production, Subject to 25 Pa. Code

Sources included in this group

ID	Name
102	NO 2 ELECTRIC ARC FURNACE (LECTROMELT)
103A	LADLE METALLURGICAL FURNACE, TENOVA-CORE, 47 TPH,15 MVA
104A	NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA
113	DUAL CHAMBER VACUUM TANK DEGASSER (VTD), TENOVA-CORE

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

No person shall permit the emission into the outdoor atmosphere of particulate matter from the Group 02 sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

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

The permittee shall limit the emissions of pollutants from the melt shop baghouses at the quantity specified, based on 12-month rolling total:

(a) NO<sub>x</sub>: 68.34 tpy

(b) VOC: 36.97 tpy

[NOTE: THE EMISSION LIMITS IN THIS CONDITION ARE BASED ON THE PAE OF THE EXISTING MELT SHOP SOURCES (EXISTING ARC FURNACE (Source ID No. 102) & EXISTING LADLE HEATERS (Source ID Nos. 039 and 040)] PLUS THE PTEs OF THE LMF (Source ID No. 103A), VTD (Source ID No. 113), AND THE NEW LADLE HEATERS (Source ID No. 040A).]

**II. TESTING REQUIREMENTS.**

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

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

(a) The permittee shall monitor the monthly steel production from the melt shop and keep separate monthly record of the operating hours and steel production of each electric arc furnace.

(b) The above records shall be retained at site for five years and shall be submitted to the Department's representative upon request.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.444]****Compliance requirements.**

(a) Compliance with the NO<sub>x</sub> emissions limits shall be demonstrated with record of the monthly steel production from each source.

(b) The records listed above shall be maintained at site for 5-year period, and submitted to the Department's representative upon request.

**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: 03

Group Description: Furnaces, State Requirements

**Sources included in this group**

ID	Name
201	CONTINUOUS CONVEYOR HEAT TREAT FURNACES
201B	AFM 8139 CONT. CONVEYOR
201C	AFM 8140 CONT. CONVEYOR
204	AFM 8141 WALKING BEAM
401	CDFS 8121 ROTARY HEARTH
502A	BAY30 8055 CONT. CAR DRAW
502B	WHEEL HEAT TREATING, 8054 CONT. CAR FURNACE

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person shall permit the emission into the outdoor atmosphere of particulate matter from each one of the furnaces in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person shall permit the emission into the outdoor atmosphere of sulfur dioxide from each one of the furnaces in a manner that the concentration of sulfur oxides, expressed as SO<sub>2</sub>, 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).

**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: 04

Group Description: CAM Conditions

Sources included in this group

ID	Name
102	NO 2 ELECTRIC ARC FURNACE (LECTROMELT)
103A	LADLE METALLURGICAL FURNACE, TENOVA-CORE, 47 TPH,15 MVA
104A	NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Sections 64.3 and 64.6]

- (a) The permittee shall use the pressure differential across each one of the compartments in each of the two baghouses to obtain data and monitor the emission control equipment performance.
- (b) The permittee shall operate and maintain photohelic/magnahelic (or equivalent) gauges to measure and display the pressure differential across each one of the compartments of the two baghouses.
- (c) The permittee shall observe and record the pressure differential across each one of the compartments in each of the two baghouses once per day while the source(s) and respective fabric collectors are operating.
- (d) The permittee shall calculate the average of the daily pressure differential values for each compartment in each of the two baghouses on a calendar week basis for the purpose of determining an excursion.
- (e) The permittee shall perform visual emissions checks of the two baghouse discharges at least once per day, while the EAF(s) are operating in the meltdown and refining mode.
- (f) The permittee shall measure and record the amperage of each of the fans serving the two baghouses once per day.

Note:

1. As defined in 40 CFR Part 64.1, the word "excursion" shall mean a departure from an indicator range established for monitoring under this part, consistent with any averaging period specified for averaging the results of the monitoring.
2. Excursion (or a deviation from the established range) is considered to have occurred when a deviation from the operational range for each parametric monitoring takes place. The number of deviations within a given time-period of specified months that make up an excursion shall be in accordance with the plan submitted.

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

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Section 64.9 and 40 CFR Part 70, Section 70.6(a)(3)(ii)(B)]

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

- (1) Daily reading(s) of the pressure differential across each one of the compartments in each of the two baghouses, as

**SECTION E. Source Group Restrictions.**

well as the calendar week average.

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

(3) The permittee shall record all inspections, repairs and maintenance performed on the measuring gauges.

(4) Results of daily visual emissions checks and actual amperage for each fan.

(5) The permittee shall maintain records of all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

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

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

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Section 64.9 and 40 CFR Part 70, Section 70.6(a)(3)(iii)(A)]

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

(b) The permittee shall report all monitoring equipment down time incidents (other than down time associated with accuracy checks or calibration checks), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

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

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Sections 64.3 and 64.6]

(a) For the baghouses, the permittee shall use the following parameter ranges for determining baghouse excursions:

(1) Pressure drop ranges in the compartments of the baghouses as per the manufacturers specifications (Wheelabrator and Schust baghouses: Range 1" to 10" Wg), or otherwise approved in writing by the DEP, and

(2) Fan amperage for each one of the meltshop baghouses fans (rated at maximum 150 ampere each for the three Wheelabrator fans, and 468 ampere for the single Schust fan).

(b) A departure from the pressure differential ranges specified in (a), above, based on the average of the daily pressure differential values, on a calendar week basis, shall be defined as an excursion.

(c) The permittee shall operate and maintain photohelic/magnahelic gauges to measure the pressure differential above and below the cell plate in each baghouse compartment. The photohelic (magnahelic) gauges shall measure the pressure differential above and below the cell plate in each of the compartments as appropriate.

(d) The permittee shall operate the two baghouses at or below the specified fan amperage level in part (a), above, and maintain the fan ammeters.

(e) The permittee shall check each photohelic/magnahelic or equivalent gauge and fan ammeter a minimum of once per year to ensure measurement accuracy within 10 Percent (%) of an equivalent reference instrument. Any gauge that is not operating with a measurement accuracy within 10% shall be replaced with a new calibrated photohelic /magnahelic gauge. Results of the annual measurement accuracy for each gauge shall be retained on site for a minimum of five (5) years and

**SECTION E. Source Group Restrictions.**

made available to the Department upon request.

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

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is also derived from 40 CFR Part 64, Sections 64.8 and 64.9]

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

(1) Six excursions of any given parameter occur in a six-month reporting period.

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

(b) The QIP shall be developed, within 60 days of the end of the relevant semiannual period, and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

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

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

(1) Improved preventive maintenance practices.

(2) Process operation changes.

(3) Appropriate improvements to control methods.

(4) Other steps appropriate to correct performance.

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

(1) Address the cause of the control device performance problem.

(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

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

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



**SECTION E. Source Group Restrictions.**

Group Name: 05

Group Description: Heat Treat Furnaces Installed in 2008

Sources included in this group

ID	Name
404	ROTARY AUSTENITIZING FURNACE
405	TEMPERING FURNACE

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

No person shall permit the emission into the outdoor atmosphere of particulate matter from Source IDs 404 and 405 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person shall permit the emission into the outdoor atmosphere of sulfur oxides from Source IDs 404 and 405 in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall limit the NO<sub>x</sub> emissions at the following maximum quantities as specified:

- (a) Emissions rate of 85 pounds of NO<sub>x</sub> per million cubic feet of natural gas combusted (equivalent to approximately 0.085 lb/mmbtu).
- (b) Combined annual NO<sub>x</sub> emissions of 16.3 tons.

**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.****# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain comprehensive and accurate records of the following information for Source IDs 404 and 405:

- (a) Operating hours on both a monthly and calendar year basis.
- (b) The amount of fuel consumed on both a monthly and calendar year basis.
- (c) Maintenance and repairs.

Records shall be retained at site, and shall be made available to the Department's representative upon request.

**V. REPORTING REQUIREMENTS.**

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

**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).

**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: 06

Group Description: EAFs Area Source MACT Subpart YYYYY

Sources included in this group

ID	Name
102	NO 2 ELECTRIC ARC FURNACE (LECTROMELT)
104A	NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA

**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?**

§ 63.10686 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) N/A. SOURCE IS NOT FOR PRODUCTION OF STAINLESS STEEL OR SPECIALTY STEEL.

**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) N/A. INITIAL PERFORMANCE TESTING IS IN THE PAST.

**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.****# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The facility melt shop is subject to Subpart 40 CFR 63, YYYY - "National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities and shall comply with all applicable requirements of this Subpart. 40 CFR § 63.13 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance, 3AP20  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded electronically, to Regional Air Program Manager, and e-mailed to: wiweaver@pa.gov, unless otherwise approved in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10680]****Subpart YYYY - 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) N/A. NOT A NEW FACILITY.

(c) N/A. SOURCE IS NOT FOR RESEARCH & DEVELOPMENT.

(d) COMPLIED WITH TVOP PER 40 CFR part 70 or 40 CFR part 71.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10685]****Subpart YYYY - 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?**

§ 63.10685 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

**SECTION E. Source Group Restrictions.**

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.

[NOTE: PPP SUBMITTAL IS IN THE PAST, ORIGINAL ON 6/27/2008, REVISED ON 10/24/2017]

(2) [NA - FACILITY USES OPTION (a)(1)]

(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.
- (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

**SECTION E. Source Group Restrictions.**

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 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

**SECTION E. Source Group Restrictions.**

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.

(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.

**# 006 [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?**

§ 63.10690 What parts of the General Provisions apply to this subpart?

**SECTION E. Source Group Restrictions.**

(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)";

(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".

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10691]**

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

**Who implements and enforces this subpart?**

The permittee is subject to the General Provision to Subpart YYYYY, referenced in Table 1 to this Subpart, and shall comply with the compliance, monitoring, recordkeeping, and reporting requirements.

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



**SECTION E. Source Group Restrictions.**

Group Name: 07

Group Description: NSPS Subpart AAa

Sources included in this group

ID	Name
104A	NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA
110	EAF BAGHOUSE DUST HANDLING SYSTEM

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [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.**

(a) On and after the date of which the performance test required to be conducted by § 60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from an EAF or an AOD vessel any gases which:

- (1) Exit from a control device and contain particulate matter in excess of 12 mg/dscm (0.0052 gr/dscf);
- (2) Exit from a control device and exhibit 3 percent opacity or greater; and
- (3) Exit from a shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.

(b) On and after the date on which the performance test required to be conducted by § 60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from the dust-handling system any gases that exhibit 10 percent opacity or greater.

**II. TESTING REQUIREMENTS.****# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.275a]****Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Test methods and procedures.**

§ 60.275a Test methods and procedures.

(a) During performance tests required in § 60.8, the owner or operator shall not add gaseous diluents to the effluent gas stream after the fabric in any pressurized fabric filter collector, unless the amount of dilution is separately determined and considered in the determination of emissions.

(b) When emissions from any EAF(s) or AOD vessel(s) are combined with emissions from facilities not subject to the provisions of this subpart but controlled by a common capture system and control device, the owner or operator shall use either or both of the following procedures during a performance test (see also § 60.276a(e)):

- (1) Determine compliance using the combined emissions.
- (2) Use a method that is acceptable to the Administrator and that compensates for the emissions from the facilities not subject to the provisions of this subpart.

(c) When emission from any EAF(s) or AOD vessel(s) are combined with emissions from facilities not subject to the provisions of this subpart, the owner or operator shall demonstrate compliance with § 60.272(a)(3) based on emissions from only the affected facility(ies).

(d) In conducting the performance tests required in § 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in § 60.8(b).

(e) The owner or operator shall determine compliance with the particulate matter standards in § 60.272a as follows:

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(1) Method 5 shall be used for negative-pressure fabric filters and other types of control devices and Method 5D shall be used for positive-pressure fabric filters to determine the particulate matter concentration and volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 4 hours and 4.50 dscm (160 dscf) and, when a single EAF or AOD vessel is sampled, the sampling time shall include an integral number of heats.

(2) When more than one control device serves the EAF(s) being tested, the concentration of particulate matter shall be determined using the following equation: [READ REGULATION FOR THE FORMULA]

where:

cst = average concentration of particulate matter, mg/dscm (gr/dscf).

csi = concentration of particulate matter from control device "i", mg/dscm (gr/dscf).

n = total number of control devices tested.

Qsdi = volumetric flow rate of stack gas from control device "i", dscm/hr (dscf/hr).

(3) Method 9 and the procedures of § 60.11 shall be used to determine opacity.

(4) To demonstrate compliance with § 60.272a(a) (1), (2), and (3), the Method 9 test runs shall be conducted concurrently with the particulate matter test runs, unless inclement weather interferes.

(f) To comply with § 60.274a (c), (f), (g), and (h), the owner or operator shall obtain the information required in these paragraphs during the particulate matter runs.

(g) Any control device subject to the provisions of the subpart shall be designed and constructed to allow measurement of emissions using applicable test methods and procedures.

(h) Where emissions from any EAF(s) or AOD vessel(s) are combined with emissions from facilities not subject to the provisions of this subpart but controlled by a common capture system and control device, the owner or operator may use any of the following procedures during a performance test:

(1) Base compliance on control of the combined emissions;

(2) Utilize a method acceptable to the Administrator that compensates for the emissions from the facilities not subject to the provisions of this subpart, or;

(3) Any combination of the criteria of paragraphs (h)(1) and (h)(2) of this section.

(i) Where emissions from any EAF(s) or AOD vessel(s) are combined with emissions from facilities not subject to the provisions of this subpart, determinations of compliance with § 60.272a(a)(3) will only be based upon emissions originating from the affected facility(ies).

(j) Unless the presence of inclement weather makes concurrent testing infeasible, the owner or operator shall conduct concurrently the performance tests required under § 60.8 to demonstrate compliance with § 60.272a(a) (1), (2), and (3) of this subpart.

[49 FR 43845, Oct. 31, 1984, as amended at 54 FR 6673, Feb. 14, 1989; 54 FR 21344, May 17, 1989; 65 FR 61758, Oct. 17, 2000]

**III. MONITORING REQUIREMENTS.**

**# 003 [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.**

§ 60.273a Emission monitoring.

(a) Except as provided under paragraphs (b) and (c) of this section, a continuous monitoring system for the measurement of the opacity of emissions discharged into the atmosphere from the control device(s) shall be installed, calibrated, maintained, and operated by the owner or operator subject to the provisions of this subpart.

(b) No continuous monitoring system shall be required on any control device serving the dust-handling system.

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(c) Visible emission observations shall be conducted at least once per day for at least three 6-minute periods when the furnace is operating in the melting and refining period. All visible emissions observations shall be conducted in accordance with Method 9. If visible emissions occur from more than one point, the opacity shall be recorded for any points where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of the visible emission, only one set of three 6-minute observations will be required. In that case, the 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. Records shall be maintained of any 6-minute average that is in excess of the emission limit specified in § 60.272a(a).

[NOTE: PERFORM DAILY VISUAL EMISSIONS READING IN LIEU OF COMS.]

(d) A furnace static pressure monitoring device is not required on any EAF equipped with a DEC system if observations of shop opacity are performed by a certified visible emission observer as follows: Shop opacity observations shall be conducted at least once per day when the furnace is operating in the meltdown and refining period. Shop opacity shall be determined as the arithmetic average of 24 consecutive 15-second opacity observations of emissions from the shop taken in accordance with Method 9. Shop opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of visible emissions, only one observation of shop opacity will be required. In this case, the shop opacity 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.

[NOTE: PERMITTEE ELECTS TO PERFORM DAILY VISUAL EMISSIONS READING IN LIEU OF PRESSURE MONITORING]

(e) -(g) N/A. NO BAG LEAK DETECTION SYSTEM INSTALLED. NO SINGLE BAGHOUSE STACK INSTALLED.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.274a]****Subpart AA - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Monitoring of operations.**

§ 60.274a Monitoring of operations.

(a) The owner or operator subject to the provisions of this subpart shall maintain records of the following information:

- (1) All data obtained under paragraph (b) of this section; and
- (2) All monthly operational status inspections performed under paragraph (c) of this section.

(b) Except as provided under paragraph (e) of this section, the owner or operator subject to the provisions of this subpart shall check and record on a once-per-shift basis the furnace static pressure (if DEC system is in use, and a furnace static pressure gauge is installed according to paragraph (f) of this section) [N/A, DOING V/E READINGS INSTEAD] and either: check and record the control system fan motor amperes and damper position on a once-per-shift basis [APPLICABLE]; install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood [N/A, APPLICANT ELECTS TO TRACK MOTOR AMPERE & DAMPER POSITION]; or 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. [N/A, APPLICANT ELECTS TO TRACK MOTOR AMPERE & DAMPER POSITION]. 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  $\pm 10$  percent over its normal operating range and shall be calibrated according to the manufacturer's instructions. The Administrator may require the owner or operator to demonstrate the accuracy of the monitoring device(s) relative to Methods 1 and 2 of appendix A of this part.

(c) When the owner or operator of an affected facility is required to demonstrate compliance with the standards under § 60.272a(a)(3) and at any other time that the Administrator may require (under section 114 of the CAA, as amended) either: the control system fan motor amperes and all damper positions [APPLICABLE], the volumetric flow rate through each separately ducted hood [N/A, APPLICANT ELECTS TO TRACK MOTOR AMPERE & DAMPER POSITION], or the volumetric flow rate at the control device inlet and all damper positions [N/A, APPLICANT ELECTS TO TRACK MOTOR AMPERE & DAMPER POSITION] shall be determined during all periods in which a hood is operated for the purpose of capturing emissions from the affected facility subject to paragraph (b) of this section. The owner or operator may petition the Administrator for reestablishment of these parameters whenever the owner or operator can demonstrate to the Administrator's satisfaction that the affected facility operating conditions upon which the parameters were previously

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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 § 60.276a(c).

[NOTE: IN LIEU OF COMS, THE PERMITTEE ELECTS TO TRACK THE FAN MOTOR AMPERE AND DAMPER POSITION.]

(d) Except as provided under paragraph (e) of this section, the owner or 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.

(e) The owner or operator may petition the Administrator to approve any alternative to either the monitoring requirements specified in paragraph (b) of this section or the monthly operational status inspections specified in paragraph (d) of this section if the alternative will provide a continuous record of operation of each emission capture system.

(f) - (g) [N/A. THE PERMITTEE PLANS TO PERFORM THE V/E READINGS IN LIEU OF PRESSURE MONITORING]

(h) During any performance test required under § 60.8, and for any report thereof required by § 60.276a(f) of this subpart, or to determine compliance with § 60.272a(a)(3) of this subpart, the owner or operator shall monitor the following information 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 and the pressure inside an EAF when direct-shell evacuation control systems are used;
- (3) Control device operation log; and
- (4) Continuous opacity monitor or Method 9 data.

**V. REPORTING REQUIREMENTS.**

**# 005 [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.**

§ 60.276a Recordkeeping and reporting requirements.

(a) Records of the measurements required in § 60.274a must be retained for at least 2 years following the date of the measurement.

(b) Each owner or operator shall submit a written report of exceedances of the control device opacity to the Administrator 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.

(c) Operation at a furnace static pressure that exceeds the value established under § 60.274a(g) and either operation of control system fan motor amperes at values exceeding  $\pm 15$  percent of the value established under § 60.274a(c) or operation at flow rates lower than those established under § 60.274a(c) may be considered by the Administrator to be unacceptable operation and maintenance of the affected facility. Operation at such values shall be reported to the Administrator semiannually.

(d) The requirements of this section remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected sources within the State will be relieved of the obligation to comply with this section, provided that they comply with the requirements established by the State.

(e) When the owner or operator of an EAF or AOD is required to demonstrate compliance with the standard under § 60.275 (b)(2) or a combination of (b)(1) and (b)(2) the owner or operator shall obtain approval from the Administrator of the

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procedure(s) that will be used to determine compliance. Notification of the procedure(s) to be used must be postmarked at least 30 days prior to the performance test.

(f) For the purpose of this subpart, the owner or operator shall conduct the demonstration of compliance with § 60.272a(a) of this subpart and furnish the Administrator a written report of the results of the test. This report shall include the following information:

- (1) Facility name and address;
- (2) Plant representative;
- (3) Make and model of process, control device, and continuous monitoring equipment;
- (4) Flow diagram of process and emission capture equipment including other equipment or process(es) ducted to the same control device;
- (5) Rated (design) capacity of process equipment;
- (6) Those data required under § 60.274a(h) of this subpart;
  - (i) List of charge and tap weights and materials;
  - (ii) Heat times and process log;
  - (iii) Control device operation log; and
  - (iv) Continuous opacity monitor or Method 9 data.
- (7) Test dates and test times;
- (8) Test company;
- (9) Test company representative;
- (10) Test observers from outside agency;
- (11) Description of test methodology used, including any deviation from standard reference methods;
- (12) Schematic of sampling location;
- (13) Number of sampling points;
- (14) Description of sampling equipment;
- (15) Listing of sampling equipment calibrations and procedures;
- (16) Field and laboratory data sheets;
- (17) Description of sample recovery procedures;
- (18) Sampling equipment leak check results;
- (19) Description of quality assurance procedures;
- (20) Description of analytical procedures;
- (21) Notation of sample blank corrections; and
- (22) Sample emission calculations.

(g) The owner or operator shall maintain records of all shop opacity observations made in accordance with § 60.273a(d). All shop opacity observations in excess of the emission limit specified in § 60.272a(a)(3) of this subpart shall indicate a period of excess emission, and shall be reported to the administrator semi-annually, according to § 60.7(c).

**SECTION E. Source Group Restrictions.**

(h) N/A. NO BAG LEAK DETECTION SYSTEM INSTALLED.

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

Source IDs. 104A and 110 are subject to Subpart AAa - "Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983" of the 'Standards of Performance for new stationary Source' and shall comply with all applicable requirements of this Subpart. 40 CFR § 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded electronically, to Regional Air Program Manager, and e-mailed to: wiweaver@pa.gov, unless otherwise approved in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.270a]****Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983****Applicability and designation of affected facility.**

(a) The provisions of this subpart are applicable to the following affected facilities in steel plants that produce carbon, alloy, or specialty steels: electric arc furnaces, argon- oxygen decarburization vessels (AOD), and dust- handling systems. [NOTE: INTENT TO ADDRESS EAFs DEDICATED TO PRIMARY REFINING AND DUST HANDLING]

(b) The provisions of this subpart apply to each affected facility identified in paragraph (a) of this section that commences construction, modification, or reconstruction after August 17, 1983.

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

**SECTION E. Source Group Restrictions.**

Group Name: 09

Group Description: EMERGENCY GENERATORS (CI AND/OR SI) AT AREA HAP SOURCES

**Sources included in this group**

ID	Name
041	GEN #1 ONAN 30EK, FORD, 66.2 HP, NG
042	GEN #3, ONAN 170, WAUKESHA, 228 HP, NG
043	GEN #4, ONAN 12JC, WAUKESHA, 30.1 HP, NG

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

§ 63.6585 Am I subject to this subpart?

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) An area source of HAP emissions is a source that is not a major source.

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(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

(e) [NA – NOT USED FOR NATIONAL SECURITY PURPOSES]

(f) [NA – RICE NOT RESIDENTIAL, COMMERCIAL OR INSTITUTIONAL]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

§ 63.6590 What parts of my plant does this subpart cover?

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) [NA – NOT A MAJOR HAP SOURCE]

(ii) [NA – NOT A MAJOR HAP SOURCE]

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) New stationary RICE.

(i) [NA – NOT A MAJOR HAP SOURCE]

(ii) [NA – NOT A MAJOR HAP SOURCE]

(iii) [NA – NOT A NEW SOURCE]

(3) [NA – NOT A RECONSTRUCTED SOURCE]

(b) Stationary RICE subject to limited requirements. (1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

(i) [NA – NOT A MAJOR HAP SOURCE]

(ii) [NA – NOT A MAJOR HAP SOURCE]

(2) [NA – NOT A MAJOR HAP SOURCE AND DOES NOT COMBUST LFG]

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) [NA – NOT A MAJOR HAP SOURCE]



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(ii) [NA – NOT A MAJOR HAP SOURCE]

(iii) [NA – NOT A MAJOR HAP SOURCE]

(iv) [NA – NOT A MAJOR HAP SOURCE]

(v) [NA – NOT A MAJOR HAP SOURCE AND DOES NOT COMBUST LFG]

(c) [NA – NOT SUBJECT TO SUBPARTS IIII OR JJJJ]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

§ 63.6595 When do I have to comply with this subpart?

(a) Affected sources. (1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. IF YOU HAVE an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or AN EXISTING STATIONARY CI RICE LOCATED AT AN AREA SOURCE OF HAP EMISSIONS, YOU MUST COMPLY WITH THE APPLICABLE EMISSION LIMITATIONS, OPERATING LIMITATIONS, AND OTHER REQUIREMENTS NO LATER THAN MAY 3, 2013.

IF YOU HAVE an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of hap emissions, or AN EXISTING STATIONARY SI RICE LOCATED AT AN AREA SOURCE OF HAP EMISSIONS, YOU MUST COMPLY WITH THE APPLICABLE EMISSION LIMITATIONS, OPERATING LIMITATIONS, AND OTHER REQUIREMENTS NO LATER THAN OCTOBER 19, 2013.

(2) [NA – NOT A MAJOR HAP SOURCE]

(3) [NA – NOT A MAJOR HAP SOURCE]

(4) [NA – NOT A MAJOR HAP SOURCE]

(5) [NA – NOT A MAJOR HAP SOURCE]

(6) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(7) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(b) Area sources that become major sources. If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in paragraphs (b)(1) and (2) of this section apply to you.

(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with this subpart upon startup of your affected source.

(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

(c) If you own or operate an affected source, you must meet the applicable notification requirements in § 63.6645 and in 40 CFR part 63, subpart A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

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## Emission and Operating Limitations

§ 63.6600 What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§ 63.6601 What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§ 63.6602 What emission limitations and other requirements must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§ 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in § 63.6620 and Table 4 to this subpart.

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, YOU MUST COMPLY WITH THE REQUIREMENTS IN TABLE 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

## TABLE 2d REQUIREMENTS:

4. For each EMERGENCY STATIONARY CI RICE and black start stationary CI RICE\*\*, you must meet the following requirement, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first\*;
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

5. For each EMERGENCY STATIONARY SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE >500 HP that operate 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE >500 HP that operate 24 hours or less per calendar year\*\*, you must meet the following requirement, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first\*;
- b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

\*Sources have the option to utilize an oil analysis program as described in § 63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart.

\*\*If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local

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law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

[END OF TABLE 2d REQUIREMENTS]

(b) [NA – EMERGENCY ENGINE(S)]

(c) [NA – EMERGENCY ENGINE(S)]

(d) [NA – EMERGENCY ENGINE(S)]

(e) [NA – EMERGENCY ENGINE(S)]

(f) [NA – EMERGENCY ENGINE(S)]

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

§ 63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?

(a) [NA – EMERGENCY ENGINE(S)]

(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates for the purpose specified in § 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(c) (Reserved)

(d) [NA – NOT IN SPECIFIED GEOGRAPHIC LOCATIONS]

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020; 87 FR 48607, Aug. 10, 2022]

General Compliance Requirements

§ 63.6605 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

Testing and Initial Compliance Requirements

§ 63.6610 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or

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operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[NA – NOT A MAJOR HAP SOURCE]

§ 63.6611 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating of greater than or equal to 250 and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – NOT A MAJOR HAP SOURCE]

§ 63.6612 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions?

[NA – NO PERFORMANCE TESTING REQUIRED]

§ 63.6615 When must I conduct subsequent performance tests?

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§ 63.6620 What performance tests and other procedures must I use?

[NA – NO PERFORMANCE TESTING REQUIRED]

§ 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

(a) [NA – CEMS NOT REQUIRED]

(b) [NA – CPMS NOT REQUIRED]

(c) [NA – LFG NOT USED]

(d) [NA – NOT A MAJOR HAP SOURCE]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) [NA – NOT A MAJOR HAP SOURCE]

(2) [NA – NOT A MAJOR HAP SOURCE]

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) [NA – EMERGENCY ENGINE(S)]

(5) [NA – EMERGENCY ENGINE(S)]

(6) [NA – EMERGENCY ENGINE(S)]

(7) [NA – EMERGENCY ENGINE(S)]

(8) [NA – EMERGENCY ENGINE(S)]

(9) [NA – EMERGENCY ENGINE(S)]

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(10) [NA – EMERGENCY ENGINE(S)]

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) [NA – EMERGENCY ENGINE(S)]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

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

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

§ 63.6630 How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate initial compliance with each emission limitation, operating limitation, and other requirement that applies to you according to Table 5 of this subpart. [NA – NONE OF THE CATEGORIES IN TABLE 5 APPLY TO EMERGENCY ENGINES]

(b) [NA – PERFORMANCE TESTING NOT REQUIRED]

(c) [NA – NOCS NOT REQUIRED FOR EXISTING EMERGENCY RICE]

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(d) [NA – EMERGENCY ENGINE(S)]

(e) [NA – EMERGENCY ENGINE(S)]

[69 FR 33506, June 15, 2004, as amended at 78 FR 6704, Jan. 30, 2013]

Continuous Compliance Requirements

§ 63.6635 How do I monitor and collect data to demonstrate continuous compliance?

[NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

§ 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

**TABLE 6 REQUIREMENTS**

9. FOR EACH existing emergency and black start stationary RICE  $\leq$ 500 HP located at a major source of HAP, existing non-emergency stationary RICE  $<$ 100 HP located at a major source of HAP, EXISTING EMERGENCY and black start STATIONARY RICE LOCATED AT AN AREA SOURCE OF HAP, existing non-emergency stationary CI RICE  $\approx$ 300 HP located at an area source of HAP, existing non-emergency 2SLB stationary RICE located at an area source of HAP, existing non-emergency stationary SI RICE located at an area source of HAP which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, existing non-emergency 4SLB and 4SRB stationary RICE  $\leq$ 500 HP located at an area source of HAP, existing non-emergency 4SLB and 4SRB stationary RICE  $>$ 500 HP located at an area source of HAP that operate 24 hours or less per calendar year, and existing non-emergency 4SLB and 4SRB stationary RICE  $>$ 500 HP located at an area source of HAP that are remote stationary RICE, complying with the requirement to “Work or Management practices”, you must demonstrate continuous compliance by:

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[END OF TABLE 6 REQUIREMENTS]

(b) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(c) [NA – ANNUAL COMPLIANCE DEMONSTRATION NOT REQUIRED]

(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification

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requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE. [EXISTING EMERGENCY RICE AT AREA HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii)-(iii) [Reserved]

(3) [NA – NOT A MAJOR HAP SOURCE]

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine

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owner or operator.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

Notifications, Reports, and Records

§ 63.6645 What notifications must I submit and when?

(a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) [NA – NOT A MAJOR HAP SOURCE]

(2) [NA PER (5) BELOW]

(3) [NA – NOT A MAJOR HAP SOURCE]

(4) [NA – NOT A MAJOR HAP SOURCE]

(5) THIS REQUIREMENT DOES NOT APPLY IF YOU OWN OR OPERATE an existing stationary RICE less than 100 HP, AN EXISTING STATIONARY EMERGENCY RICE, OR AN EXISTING STATIONARY RICE THAT IS NOT SUBJECT TO ANY NUMERICAL EMISSION STANDARDS.

(b) [NA – NOT A MAJOR HAP SOURCE]

(c) [NA – NOT A MAJOR HAP SOURCE]

(d) [NA – NOT A MAJOR HAP SOURCE]

(e) [NA – NOT A MAJOR HAP SOURCE]

(f) [NA – 63.6590(b) DOES NOT APPLY]

(g) [NA – PERFORMANCE TEST NOT REQUIRED]

(h) [NA – PERFORMANCE TEST NOT REQUIRED]

(i) [NA – EMERGENCY ENGINE(S)]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

§ 63.6650 What reports must I submit and when?

(a) You must submit each report in Table 7 of this subpart that applies to you.

**TABLE 7 REQUIREMENTS**

4. For each emergency stationary RICE that operate for the purposes specified in § 63.6640(f)(4)(ii), you must submit a Report. The report must contain the information in § 63.6650(h)(1). You must submit the report annually according to the requirements in § 63.6650(h)(2)-(3).

**END OF TABLE 7 REQUIREMENTS**

(b) Unless the Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through



**SECTION E. Source Group Restrictions.**

(b)(9) of this section.

(1) [NA – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(2) [NA – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(3) [NA – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(4) [NA – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(5) [NA – ANNUAL REPORT REQUIRED, ONLY UNDER CERTAIN CONDITIONS]

(6) For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in § 63.6595 and ending on December 31.

(7) For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for your affected source in § 63.6595.

(8) For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.

(9) For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.

(c) [NA – “COMPLIANCE REPORT” NOT REQUIRED]

(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(f) [NA – NOT SUBJECT TO TITLE V PERMITTING]

(g) [NA – LFG NOT USED]

(h) If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates for the purpose specified in § 63.6640(f)(4)(ii), you must submit an annual report according to the requirements in paragraphs (h)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

(ii) Date of the report and beginning and ending dates of the reporting period.

(iii) Engine site rating and model year.

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

(v)-(vi) {Reserved}

(vii) Hours spent for operation for the purpose specified in § 63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in § 63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(viii) If there were no deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

**SECTION E. Source Group Restrictions.**

(ix) If there were deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 63.13.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

§ 63.6655 What records must I keep?

(a) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(b) [NA – NO CEMS OR CPMS]

(c) [NA – LFG NOT USED]

(d) [NA – NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) [NA – NOT A MAJOR HAP SOURCE]

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purpose specified in § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) [NA – NOT A MAJOR HAP SOURCE]

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

§ 63.6660 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

**SECTION E. Source Group Restrictions.**

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

#### Other Requirements and Information

§ 63.6665 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE. [EXISTING EMERGENCY RICE AT AREA HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

[75 FR 9678, Mar. 3, 2010]

§ 63.6675 What definitions apply to this subpart? [INCORPORATED BY REFERENCE]

#### Regulatory Changes:

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

US EPA  
 Region III, Air and Radiation Division  
 Permits Branch (3AD10)  
 Four Penn Center  
 1600 John F. Kennedy Boulevard  
 Philadelphia, PA 19103-2852

The Department copies shall be forwarded to wiweaver@pa.gov, unless otherwise specified in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

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

**SECTION E. Source Group Restrictions.**

Group Name: 10

Group Description: Presumptive RACT 2 Requirements, all NO<sub>x</sub>, except the Source 401 is VOC**Sources included in this group**

ID	Name
039	LADLE HEATERS 8500 & 8501
040	LADLE HEATER 8527
041	GEN #1 ONAN 30EK, FORD, 66.2 HP, NG
042	GEN #3, ONAN 170, WAUKESHA, 228 HP, NG
043	GEN #4, ONAN 12JC, WAUKESHA, 30.1 HP, NG
045	GEN #6, CATERPILLAR C15, 713 HP, DIESEL
108	MULTI-TORCH CUTOFF 8385 & 8389
201	CONTINUOUS CONVEYOR HEAT TREAT FURNACES
201B	AFM 8139 CONT. CONVEYOR
201C	AFM 8140 CONT. CONVEYOR
401	CDFS 8121 ROTARY HEARTH
405	TEMPERING FURNACE
502A	BAY30 8055 CONT. CAR DRAW
502B	WHEEL HEAT TREATING, 8054 CONT. CAR 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.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The owner and operator of a source shall keep records to demonstrate compliance with §§ 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96 - 129.99 are met.

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

[25 Pa, Code Section 129.100(d)]

**# 002 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a written request from the Department. [25 Pa, Code Section 129.100(i)]

**V. REPORTING REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The owner and operator of a combustion unit or other combustion source shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit or other combustion source. (Source ID 401)

[25 Pa, Code Section 129.97 (d)]

**# 004 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The owner and operator shall install, maintain and operate the following source in accordance with the manufacturer's specifications and with good operating practices:

(1) A boiler or other combustion source with an individual rated gross heat input less than 20 million Btu/hour. (Source IDs 039, 040, 108, 201, 201B, 201C, 405, 502A, 502B, and 532) [NOTE: SOURCE 037 DECOMMISSIONED AND REMOVED, SOURCES 032 & 038 DECOMMISSIONED.]

(2) A stationary internal combustion engine rated at less than 500 bhp (gross). (Source IDs 041, 042, and 043)

(3) An emergency standby engine operating less than 500 hours in a 12-month rolling period. (Source ID 045)

[25 Pa, Code Section 129.97 (c)(3), (c)(5), and (c)(8)]

**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: 11

Group Description: RACT 1 Requirements, transferred from RACT OP 44-2001 issued on May 31, 1995

**Sources included in this group**

ID	Name
039	LADLE HEATERS 8500 & 8501
040	LADLE HEATER 8527
102	NO 2 ELECTRIC ARC FURNACE (LECTROMELT)
201	CONTINUOUS CONVEYOR HEAT TREAT FURNACES
201B	AFM 8139 CONT. CONVEYOR
201C	AFM 8140 CONT. CONVEYOR
204	AFM 8141 WALKING BEAM
401	CDFS 8121 ROTARY HEARTH
502A	BAY30 8055 CONT. CAR DRAW
502B	WHEEL HEAT TREATING, 8054 CONT. CAR 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.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Conditions from RACT Operating Permit 44-2001: (operational status is based on 8/25/17 company letter, which is updated by 7/25/19 e-mail):

I. List of Steel Production Furnaces, Combustion Sources over 50 MMBtu/hr Capacity and NO<sub>x</sub> Emissions Potential:

Source: Manufacturer: Heat Input/Capacity: Emission Factor: Potential Emissions: Title V Source #:

#4 Electric Arc Furnace: Electromelt: 70 t/batch in 3 hrs: 0.35 lb/t steel: 34.5 tpy: T5 104: [SOURCE 104 NO LONGER EXISTS IN THE CONFIGURATION ADDRESSED IN RACT 1. IN 2013 IT WAS SIGNIFICANTLY RECONFIGURED AS SOURCE 104A.]

**SECTION E. Source Group Restrictions.**

#3 EAF Herolt: American Bridge : 45 t/batch in 5 hrs: 0.35 lb/t steel: 13.3 tpy: T5 103: [DECOMMISSIONED AND REMOVED]

#2 EAF: Electromelt: 40 t/batch in 4 hrs: 0.35 lb/t steel: 14.7 tpy: T5 102

LRM 8157 Furnace: Standard Steel (SS): 64.2 MMBtu/hr: 84 lb/mmcf: 23.6 tpy: no current T5 ID: [DECOMMISSIONED AND REMOVED]

CDFS 8121 Furnace (Source 401): Salem Engineering: 82.9 MMBtu/hr: 84 lb/mmcf: 30.5 tpy: T5 401: [THE LISTED EMISSION FACTOR IS BASED ON STACK TEST DATA WHICH IS NOW CONSIDERED LESS RELIABLE THAN AP-42 FACTORS. ALSO, THE HEAT INPUT RATING OF THE FURNACE IS NOW 71 MMBTU/HR]

II. List of Combustion Sources of Rated Capacity = 20 MMBtu/hr and < 50 MMBtu/hr, and Nox Emissions Potential:

Source: Manufacturer: Heat Input/Capacity: Emission Factor: Potential Emissions: Title V Source #:

AFM 8141 Walking Beam (Source 204): Swindel Dressler (SD): 49.04 MMBtu/hr: 140 lb/mmcf: 28.9 tpy: T5 204: [THE LISTED EMISSION FACTOR IS BASED ON AN OUTDATED AP-42 FACTOR, WHICH HAS SINCE BEEN UPDATED. ALSO, THE HEAT INPUT RATING OF THE FURNACE IS NOW 38.8 MMBTU/HR]

LRM 8151 22' Square Car: Gas Machinery Co. (GMC): 41.92 MMBtu/hr: 140 lb/mmcf: 24.7 tpy: no current T5 ID : [DECOMMISSIONED AND REMOVED]

LRM 8147 Continuous Car: Olson: 40.08 MMBtu/hr: 140 lb/mmcf: 23.6 tpy: no current T5 ID : [DECOMMISSIONED AND REMOVED]

ODFS 8068 N,S Car Type: Standard Steel (SS): 32.6 MMBtu/hr: 140 lb/mmcf: 19.2 tpy: T5 142: [DECOMMISSIONED AND REMOVED]

AFM 8152 Single Chamber Box: GMC: 27.75 MMBtu/hr: 140 lb/mmcf: 16.4 tpy: no current T5 ID : [DECOMMISSIONED AND REMOVED]

AFM 8153 Single Chamber Box: GMC: 27.75 MMBtu/hr: 140 lb/mmcf: 16.4 tpy: no current T5 ID : [DECOMMISSIONED AND REMOVED]

AFM 8140 Continuous Conveyor: SD: 27.3 MMBtu/hr: 140 lb/mmcf: 16.1 tpy: T5 201C: [THE LISTED EMISSION FACTOR IS BASED ON AN OUTDATED AP-42 FACTOR, WHICH HAS SINCE BEEN UPDATED]

AFM 8138 Continuous Conveyor: SD: 25.2 MMBtu/hr: 140 lb/mmcf: 14.9 tpy: T5 201: [THE LISTED EMISSION FACTOR IS BASED ON AN OUTDATED AP-42 FACTOR, WHICH HAS SINCE BEEN UPDATED]

AFM 8139 Continuous Conveyor: SD: 21.0 MMBtu/hr: 140 lb/mmcf: 12.4 tpy: T5 201B: [THE LISTED EMISSION FACTOR IS BASED ON AN OUTDATED AP-42 FACTOR, WHICH HAS SINCE BEEN UPDATED]

III. List of Experimental Source and Boilers:

Source: Manufacturer: Heat Input/Capacity: Emission Factor: Title V Source #:

URM 8150 Box (4 door, 4 Chambers): GMC: 19.9 MMBtu/hr: 140 lb/mmcf: no current T5 ID : [DECOMMISSIONED AND REMOVED]

7492 Waste Heat Boiler: ABCO: 19.9 MMBtu/hr: 140 lb/mmcf: T5 031: [DECOMMISSIONED AND REMOVED]

7466 500 HP Boiler: Clayton: 19.9 MMBtu/hr: 165 lb/mmcf: T5 037: [DECOMMISSIONED AND REMOVED]

7467 300 HP Boiler: Clayton: 12.0 MMBtu/hr: 165 lb/mmcf: T5 038: [DECOMMISSIONED AND REMOVED]

7465 150 HP Boiler: Clayton: 6.0 MMBtu/hr: 165 lb/mmcf: T5 032: [DECOMMISSIONED AND REMOVED]

**SECTION E. Source Group Restrictions.**

## IV. List of Combustion Sources, Rated Capacity &gt; 2.5 MMBtu/hr and &lt; 20 MMBtu/hr Source:

Source: Manufacturer: Rated Capacity: Title V Source #:

LRM 8149E Box 1 Chamber, 1 Door: SS: 18.9 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

LRM 8149W Box 1 Chamber 1 Door: SS: 18.9 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

Bay30 8063 Continuous Car (Austenitize): Electric Furnace (EF): 18.3 MMBtu/hr: T5 502C [SOURCE NO LONGER EXISTS]

HTP #1 8042 9' Vertical: Amsler no current T5 ID Morton (AM): 16.08 MMBtu/hr: T5 501B1: [DECOMMISSIONED AND REMOVED]

Bay30 8054 Continuous Car (Austenitize): EF: 15.8 MMBtu/hr: T5 502B

HTP #1 8040 14 ½' x 14 ½' Car: Olson: 15.72 MMBtu/hr: T5 501B: [DECOMMISSIONED AND REMOVED]

HTP #1 8071 15 ½' Vertical: SS: 14.68 MMBtu/hr: T5 501B: [DECOMMISSIONED AND REMOVED]

CDFS 8125 Box (4 Door, 1 Chamber): Olson: 13.8 MMBtu/hr: T5 401B1: [DECOMMISSIONED AND REMOVED]

HTP #1 8023 6 ½' x 47' Car: SS: 12.95 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8030 x 27 ½' Car: SS: 12.8 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

CDFS 8142 Walking Bean: Selas: 12.44 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8037 8' x 15' Car: Olson: 12.3 MMBtu/hr: T5 501B: [DECOMMISSIONED AND REMOVED]

HTP #1 8021, 8022 11 Ft. Beehive: SS: 12.0 MMBtu/hr: T5 501B1: [DECOMMISSIONED AND REMOVED]

HTP #1 8027, 8028 11 Ft. Beehive: SS: 12.0 MMBtu/hr: T5 501B1: [DECOMMISSIONED AND REMOVED]

HTP #4 8154 20' Elevating Hearth: Selas: 12.0 MMBtu/hr: T5 504B: [DECOMMISSIONED AND REMOVED]

HTP #1 8029 8' x 27 ½' Car: SS: 11.44 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

Bay30 8064 Continuous Car (Draw): EF: 10.8 MMBtu/hr: T5 502B

HTP #1 8025 8 ½' x 24 ½' Car: SS: 10.31 MMBtu/hr: T5 501B: [DECOMMISSIONED AND REMOVED]

SPC #1 8052 Car Type 10': EF: 10.0 MMBtu/hr: T5 604: [DECOMMISSIONED AND REMOVED]

HTP #4 8156 15' Elevating Hearth: SS: 9.99 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #4 8155 15' Elevating Hearth: SS: 9.98 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8032 10' x 23' Car: SS: 9.92 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8026 8 ½' x 38' Car: SS: 9.92 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8001, 8002 11 Ft. Beehive: SS: 9.0 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

LRM 8160 Single Chamber Box: SS: 9.0 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

LRM 8159 Single Chamber Box: SS: 9.0 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]



**SECTION E. Source Group Restrictions.**

SPC #2 8013 9' Car: SS: 8.58 MMBtu/hr: T5 603: [DECOMMISSIONED AND REMOVED]

Bay 30 8055 Continuous Car (Draw): EF: 7.2 MMBtu/hr: T5 502A

SPC #2 8012 9' Car: SS: 6.42 MMBtu/hr: T5 605: [DECOMMISSIONED AND REMOVED]

HTP #4 8008, 8015 8 ½' Beehive: SS: 6.0 MMBtu/hr: T5 505A, 504A: [DECOMMISSIONED AND REMOVED]

Ladle Heater 8500 and 8501: American Combustion: 6.0 MMBtu/hr: T5 039

SPC #2 8014 9' Car: SS: 6.0 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8004 14 ft. Beehive: SS: 6.0 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

LRM 8067 Slow Cool Pit: SS: 5.24 MMBtu/hr: T5 301: [DECOMMISSIONED AND REMOVED]

HTP #1 8041 10' x 14 ½' Car: Olson: 5.2 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8039 14 ½' x 14 ½' Car: Olson: 5.0 MMBtu/hr: T5 501A: [DECOMMISSIONED AND REMOVED]

HTP #1 8031 8' x 27 ½' Car: SS: 4.93 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8006, 8007 12 ft. Beehive: SS: 4.8 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8038 8' x 15' Car: Olson: 4.12 MMBtu/hr: no current T5 ID : [REMOVED]

Melt Shop 8061 Car: Olson: 4.12 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

Melt Shop 8060 Car: Olson: 4.12 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

Melt Shop 8062 Car: Olson: 4.12 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8003 14 ft. Beehive: SS: 3.0 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8005 14 ft. Beehive: SS: 3.0 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8035 8' x 15' Car: Olson: 2.97 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8043 6 ½' x 7 ½' Car: AM: 2.96 MMBtu/hr: T5 501A: [DECOMMISSIONED AND REMOVED]

HTP #1 8044 6 ½' x 7 ½' Car: AM: 2.96 MMBtu/hr: T5 501A: [DECOMMISSIONED AND REMOVED]

HTP #1 8045 6 ½' x 7 ½' Car: AM: 2.96 MMBtu/hr: T5 501A: [DECOMMISSIONED AND REMOVED]

HTP #1 8046 6 ½' x 7 ½' Car: AM: 2.96 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

HTP #1 8047 6 ½' x 7 ½' Car: AM: 2.96 MMBtu/hr: no current T5 ID : [DECOMMISSIONED AND REMOVED]

Ladle Heater 8527: Aftec: 4.2 MMBtu/hr : T5 040

4. Potential to emit NO<sub>x</sub> emissions from the facility shall never exceed 591 tpy. Also, NO<sub>x</sub> emissions from the sources shall be equal to or below as stated in Source Item Nos. I and II, above.

5. For the above Sources 1 and 2, separate monthly records of operating hours and fuel consumption shall be maintained for each calendar year (January 1 through December 31). The company shall measure the gas consumption for each of the furnaces Nos. LRM 8157 [REMOVED], CDFS 8121 [SOURCE 401], AFM 8141 [SOURCE 204], LRM 8151 [REMOVED], LRM 8147 [REMOVED] and ODFS 8068 [REMOVED]. Gas consumption for two single chamber furnaces Nos. AFM 8152

**SECTION E. Source Group Restrictions.**

[REMOVED] and AFM 8153 [REMOVED], and three continuous conveyors Nos. AFM 8138, AFM 8139, and AFM 8140 [SOURCES 201, 201B AND 201C] may be measured in groups. [UPON APPROVAL BY EPA AS A SIP REVISION, THIS CONDITION AS IT APPLIES TO SOURCES 204 AND 401 SHALL BE SUPERSEDED BY THE CASE-BY-CASE RACT 2 DETERMINATION FOR THESE SOURCES]

6. The facility shall keep a record of maintenance and repairs to the Sources.

7. The records listed in Conditions 5 and 6 shall be retained for two years and shall be made available to the Department upon its request.

8. Stack testing to determine the emissions rate of NO<sub>x</sub> as NO<sub>2</sub> shall be performed on one representative of the stacks in two heating furnaces in Source 1 and another representative of each type of the burners in the Sources listed in 2 above. First stack test shall be performed within 365 days of issuance of this operating permit, and based on the results, the frequency of further stack test shall be determined by the Department. [DUE TO THE TECHNICAL INFEASIBILITY OF TESTING THE FURNACES, DEP HAS DETERMINED THAT FURTHER ATTEMPTS TO DO SO WILL NOT BE REQUIRED]

9. Stack testing shall be performed in accordance with 25 Pa. Code, Chapter 139 and the current version of the Department Source Testing Manual, or by other means proposed by Standard Steel and approved by the Department.

10. A Stack Test Protocol is to be submitted to the Program Manager for approval at least sixty (60) days prior to the stack test.

11. The Department shall be notified at least two (2) weeks in advance of the date and time of the stack test.

12. Two (2) copies of the stack test results shall be submitted to the Program Manager for review within sixty (60) days of completion of testing. Results shall be reported as concentration in ppm as measured, mass and heat rates in lb/scf and lb/MMBtu.

13. The facility shall report to the Program Manager any modification to the Sources, which is expected to increase NO<sub>x</sub>.

14. Department reserves the right to revise the emissions standards listed in the Source 1 and 2 above and order further stack tests, based on information obtained during the testing program outlined in Conditions 8 through 13.

15. Further verification of NO<sub>x</sub> emissions shall be performed once in five years for one representative of each of the following burners as per emissions test protocol submitted by the facility, and approved by the Department: [SEE BELOW - NONE OF THE ORIGINAL BURNERS EXIST ANY MORE]

a. No. 2 Luminous Flame Burner – Installed in LRM 8157: [SOURCE NO LONGER EXISTS]

b. No. 113-6 Luminous Flame Burner – Installed in CDFS 8121: [REPLACED WITH BLOOM REGENERATIVE BURNERS]

c. No. 113-8A Luminous Flame Burner – Installed in CDFS 8121: [REPLACED WITH BLOOM REGENERATIVE BURNERS]

d. No. 4422-6 Medium Velocity Side-Wall Burner: [REPLACED WITH 4422-5 BURNERS]

e. No. 4422-78 Medium Velocity Side-Wall Burner: [SOURCE NO LONGER EXISTS]

f. No. 4832-7 Flat Flame Roof Burner: [SOURCE NO LONGER EXISTS]

g. No. 6512-6 Low Velocity Luminous Flame (slow mixing) Burner: [REPLACED WITH BLOOM REGENERATIVE BURNERS]

h. No. 6514-8A Low Velocity Dual Fuel Burner: [REPLACED WITH BLOOM REGENERATIVE BURNERS]

16. Sources 3 above are subject to the following:

-URM 8150 – Experimental Heating Source – 25 PA Code, Section 129.93(c)(5). [SOURCE NO LONGER EXISTS]

**SECTION E. Source Group Restrictions.**

-7492 Waste Heat Boiler and 7466 500 HP Boiler – Limited to heat input capacity 19.9 MMBtu/hr subject to 25 PA Code, Section 129.93(c)(1). [7492 IS DECOMMISSIONED AND REMOVED]

-7467 300 HP Boiler and 7465 150 HP Boiler – 25 Pa Code, Section 129.93(c)(1). [REMOVED]

17. The company shall demonstrate the rated capacity of No. 7492 waste heat boiler never exceeded 19.9 MMBtu/hr by recording hourly gas consumption or other equivalent method approved by the Department. [SOURCE NO LONGER EXISTS]

18. The company shall maintain and operate sources rated at 2.5 MMBtu/hr but less than 20 MMBtu/hr as per 25 Pa. Code, Section 129.93(c)(1).

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

**SECTION E. Source Group Restrictions.**

Group Name: 12

Group Description: Case-by-Case RACT 2/RACT 3 Requirements

Sources included in this group

ID	Name
102	NO 2 ELECTRIC ARC FURNACE (LECTROMELT)
104A	NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA
204	AFM 8141 WALKING BEAM
401	CDFS 8121 ROTARY HEARTH
404	ROTARY AUSTENITIZING FURNACE
601	NON- PRODUCTION VOC USAGE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §129.99]****Alternative RACT proposal and petition for alternative compliance schedule.**

The following is a case-by-case RACT 2 and/or RACT 3 determination for the indicated sources, pursuant to 25 Pa. Code Sections 129.99 and 129.114:

I. Source 102 (#2 EAF) and Source 104A (#4A EAF): [NOTE:THE REQUIREMENTS BELOW ARE THE RACT 2 CASE-BY-CASE DETERMINATION FOR SOURCE IDs 102 AND 104A.THESE SOURCES ARE ALSO SUBJECT TO PRESUMPTIVE RACT 3 REQUIREMENTS OF 129.112(c) AS SPECIFIED IN SECTION E GROUP 013].

(a) The permittee shall maintain and adhere to an operation and maintenance plan for Sources 102 and 104A, which shall address good operation and maintenance practices for the minimization of NO<sub>x</sub> and VOC emissions, including measures to minimize the ambient air infiltration into the direct evacuation hoods.

(b) The permittee shall maintain records of any maintenance or modifications performed on Sources 102 or 104A.

(c) The permittee shall calculate and record the actual annual NO<sub>x</sub> and VOC emissions using appropriate emissions

**SECTION E. Source Group Restrictions.**

factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and thruput data.

(d) The permittee shall maintain written documentation of the items in (a)-(c) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).

II. Source 204 (AFM 8141 Walking Beam Furnace), Source 401 (CDFS 8121 Rotary Hearth Furnace) and Source 404 (Rotary Austenitizing Furnace): [RACT 2 AND RACT 3 DETERMINATION]

(a) Sources 204, 401 and 404 shall each be equipped with low-NOx burners.

(b) Sources 204, 401 and 404 shall combust only natural gas.

(c) The permittee shall maintain and adhere to an operation and maintenance plan for each of Sources 204, 401 and 404, which shall address good operation and maintenance practices for the minimization of NOx and VOC emissions.

(d) The permittee shall maintain records of any maintenance or modifications performed on Sources 204, 401 and 404.

(e) The permittee shall calculate and record the actual annual NOx emissions from Sources 204, 401 and 404 using appropriate emissions factors from U.S. EPA Publication AP-42 or appropriate alternative emission factors based on PADEP review, coupled with appropriate operational and thruput data. Actual fuel use may be monitored at a common natural gas meter and pro-rated based upon maximum heat input of connected furnaces. [Note: Upon approval of this provision by EPA as a SIP revision, this condition (e) shall supersede Condition 5 in RACT 1 Operating Permit 44-2001, to the extent that Condition 5 would apply to Sources 204 or 401.]

(f) The permittee shall maintain written documentation of the items in (c)-(e) above for five years. The records shall be made available to the Department upon written request pursuant to 25 Pa. Code §129.100(d) and (i).

III. Non Production VOC Usage (Source 601) [RACT 2 AND RACT 3 DETERMINATION]

a.) The permittee shall minimize the VOC emissions from the Source 601 Non Production VOC Usage in the following manner:

i. All solvents shall be stored and transported in closed containers or pipes.

ii. All rags containing solvent shall be placed into closed storage containers for storage.

iii. All rags containing solvent shall be placed into sealed containers and disposed of.

iv. Spills of materials containing VOC shall be minimized and shall be cleaned up immediately with cleaning cloths or alternative approved methods that will minimize the evaporation of VOC into the atmosphere.

v. Minimize VOC emissions from cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent, and all spent solvent is captured in closed containers.

vi. Any products used which are subject to 25 Pa. Code 130 - Standards for Products, or to 40 CFR Part 59 Subpart E - National Volatile Organic Compound Emission Standards for Aerosol Coatings, or to 40 CFR Part 59 Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings, shall comply with the requirements of those regulations, as applicable.

b.) The permittee shall record the quantity and identity of all VOC-containing materials used in Source 601 on the various sources on a monthly basis. These records shall be maintained and shall be made part of the permittee's annual "AIMS" report to the Department. The records shall be compiled into a monthly and 12-month rolling total format.

c.) Manufacturer supplied VOC data sheets for all coatings and cleaning agents applied within the most recent five (5) years shall be maintained at the facility and be made available to the Department at any time upon request.

NOTE: The above conditions shall supersede the SIP-ed RACT 1 and 2 requirements for any RACT 1 and 2 sources that are part of this source group, upon approval by EPA as a SIP revision.

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

**SECTION E. Source Group Restrictions.**

Group Name: 13

Group Description: Presumptive RACT 3 Requirements

Sources included in this group

ID	Name
039	LADLE HEATERS 8500 & 8501
040	LADLE HEATER 8527
040A	TWO LADLE PREHEATERS, LPH1 & LPH2
041	GEN #1 ONAN 30EK, FORD, 66.2 HP, NG
045	GEN #6, CATERPILLAR C15, 713 HP, DIESEL
102	NO 2 ELECTRIC ARC FURNACE (LECTROMELT)
103A	LADLE METALLURGICAL FURNACE, TENOVA-CORE, 47 TPH, 15 MVA
104A	NO 4A ELECTRIC ARC FURNACE (TC-LECTROMELT) 75/66.5T, 56MVA
108	MULTI-TORCH CUTOFF 8385 & 8389
201	CONTINUOUS CONVEYOR HEAT TREAT FURNACES
201B	AFM 8139 CONT. CONVEYOR
201C	AFM 8140 CONT. CONVEYOR
401	CDFS 8121 ROTARY HEARTH
405	TEMPERING FURNACE
502A	BAY30 8055 CONT. CAR DRAW
502B	WHEEL HEAT TREATING, 8054 CONT. CAR 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.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §129.111]

**Applicability**

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

**SECTION E. Source Group Restrictions.**

(a) The owner and operator of a source listed in one or more of subsections (b)—(k) located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.111 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (n)—(p) or § 129.114 (relating to alternative RACT proposal and petition for alternative compliance schedule):

- (1) January 1, 2023, for a source subject to § 129.111(a).
- (2) [NA – FACILITY WAS A MAJOR SOURCE OF NO<sub>x</sub> AND VOCS PRIOR TO 8/3/18]

(b) The owner and operator of a source listed in this subsection that is located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.111 shall comply with the applicable presumptive RACT requirements in paragraph (1) and recordkeeping and reporting requirements in paragraph (2).

- (1) The owner or operator of a:
  - (i) [NA – COMBUSTION UNITS IN THIS GROUP ARE ALL LESS THAN 20 MMBTU/HR]
  - (ii) [NA - NO OXYGEN TRIM SYSTEM]

(2) The applicable recordkeeping and reporting requirements of § 129.115(f) and (i) (relating to written notification, compliance demonstration and recordkeeping and reporting requirements).

(3) Compliance with the applicable presumptive RACT requirements in paragraph (1) and recordkeeping and reporting requirements in paragraph (2) assures compliance with the provisions in § 129.93(b)(2), (3), (4) and (5) and 129.97(b)(1), (2) and (3) (relating to presumptive RACT emissions limitations; and presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule).

(c) The owner and operator of a source listed in this subsection that is located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.111 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices: [NOTE: SOURCE ID 401 IS SUBJECT TO THIS PROVISION FOR VOC EMISSIONS ONLY. FOR NO<sub>x</sub> EMISSIONS, THE FURNACE IS SUBJECT TO CASE-BY-CASE NO<sub>x</sub> REQUIREMENTS LISTED IN SECTION E GROUP 012.]

- (1) A NO<sub>x</sub> air contamination source that has the potential to emit less than 5 TPY of NO<sub>x</sub>.
- (2) A VOC air contamination source that has the potential to emit less than 2.7 TPY of VOC. [NOTE: APPLIES TO SOURCE ID 401]
- (3) [NA – NOT A NATURAL GAS TRANSMISSION FACILITY]
- (4) A boiler or other combustion source with an individual rated gross heat input less than 20 million Btu/ hour. [NOTE: APPLIES TO SOURCE ID 039, 040, 040A, 201, 201B, 201C, 405, 502A AND 502B]
- (5) [NA – NO TURBINES]
- (6) [NA - ENGINES ARE EMERGENCY USE]
- (7) [NA – ENGINES ARE NOT RICH BURN]
- (8) [NA – NO INCINERATORS, THERMAL OXIDIZERS, CATALYTIC OXIDIZERS OR FLARES]
- (9) [NA – FUEL CAPACITY FACTOR NOT RELEVANT]
- (10) An emergency standby engine operating less than 500 hours in a 12-month rolling period. [APPLIES TO SOURCE ID 041, 042, 043, AND 045]

**SECTION E. Source Group Restrictions.**

(11) An electric arc furnace. [APPLIES TO SOURCE ID 102, 103A AND 104A]

(d) Except as specified in subsection (c), the owner and operator of a combustion unit, brick kiln, cement kiln, lime kiln, glass melting furnace or combustion source located at a major VOC emitting facility subject to § 129.111 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit, brick kiln, cement kiln, lime kiln, glass melting furnace or combustion source.

(e) [NA – NOT AN MW LANDFILL]

(f) [NA – NOT AN MW COMBUSTOR]

(g) Except as specified in subsection (c), the owner and operator of a NOx air contamination source listed in this subsection that is located at a major NOx emitting facility or a VOC air contamination source listed in this subsection that is located at a major VOC emitting facility subject to § 129.111 may not cause, allow or permit NOx or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation specified in the following paragraphs:

(1) [NA – COMBUSTION UNITS ARE LESS THAN 50 MMBTU/HR]

(2) [NA – NO TURBINES]

(3) [NA – ENGINES ARE EMERGENCY USE AND THEREFORE SUBJECT TO 25 Pa. Code 129.112(c)(10)]

(4) [NA – UNITS DON'T FIRE ON MULTIPLE FUELS]

(h)-(k) [NA - SOURCE TYPES DO NOT APPLY]

(l) The requirements and emission limitations of this section supersede the requirements and emission limitations of a RACT permit issued to the owner or operator of an air contamination source subject to one or more of subsections (b)–(k) prior to November 12, 2022, under §§ 129.91–129.95 (relating to stationary sources of NOx and VOCs) or under §§ 129.96–129.100 (relating to additional RACT requirements for major sources of NOx and VOCs) to control, reduce or minimize NOx emissions or VOC emissions, or both, from the air contamination source unless the permit contains more stringent requirements or emission limitations, or both.

(m) The requirements and emission limitations of this section supersede the requirements and emission limitations of §§ 129.201–129.205, 129.301–129.310, 145.111–145.113 and 145.141–145.146 unless the requirements or emission limitations of §§ 129.201–129.205, §§ 129.301–129.310, §§ 145.111–145.113 or §§ 145.141–145.146 are more stringent.

(n)-(q) [NA – SOURCES IN THIS GROUP MEET PRESUMPTIVE RACT]

§ 129.113. Facility-wide or system-wide NOx emissions averaging plan general requirements.

[NA – NOX AVERAGING PLAN NOT USED]

§ 129.114. Alternative RACT proposal and petition for alternative compliance schedule.

[NA – SOURCES IN THIS GROUP MEET PRESUMPTIVE RACT]

§ 129.115. Written notification, compliance demonstration and recordkeeping and reporting requirements.

(a) The owner and operator of an air contamination source subject to this section and § 129.111 (relating to applicability) shall submit a notification, in writing or electronically, to the appropriate Regional Manager or the appropriate approved local air pollution control agency that proposes how the owner and operator intend to comply with the requirements of this section and §§ 129.111–129.114. [NOTE – NOTIFICATION WAS PROVIDED ON 12/20/22]



**SECTION E. Source Group Restrictions.**

(b) [NA – SOURCES IN THIS GROUP ARE NOT SUBJECT TO NOX OR VOC RACT EMISSION LIMITS]

(c) [NA – NO TURBINES]

(d) Except as specified in § 129.112(n) and § 129.114(l) (relating to alternative RACT proposal and petition for alternative compliance schedule), the owner and operator of an air contamination source subject to subsection (b) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation in accordance with the procedures in subsection (a) not later than:

(1) January 1, 2023, for a source subject to § 129.111(a) (relating to applicability).

(2) [NA – FACILITY WAS A MAJOR SOURCE OF NOX AND VOCS PRIOR TO 8/3/18]

(e) [NA – SOURCES IN THIS GROUP ARE NOT SUBJECT TO NOX OR VOC RACT EMISSION LIMITS]

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

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

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

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

(g) Beginning with the compliance date specified in § 129.112(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable NOx emission rate threshold specified in § 129.114(b) and the requirements of § 129.112 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(h) Beginning with the compliance date specified in § 129.112(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable VOC emission rate threshold specified in § 129.114(c) and the requirements of § 129.112 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(i) [NA – COMBUSTION UNITS IN THIS GROUP ARE LESS THAN 20 MMBTU/HR]

(j) [NA – NOT A PORTLAND CEMENT KILN]

(k) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

#001. This permit is renewal of the TVOP incorporating the significant modification to include RACT 2 requirements, issued on 8/15/19. It incorporates the Title V operating permit renewal issued on 12/21/17. This permit includes the conditions and requirements of the:

- (a) RACT 1 Operating Permit No. 44-2001 issued on 5/31/1995.
- (b) Plan Approval No. 44-05001B for two new austenitizing and tempering furnaces Source IDs 404 and 405.
- (c) Plan Approval No. 44-05001C for Schust baghouse, system modification including roof monitor, and to meet Subpart YYYYY.
- (d) Plan Approval No. 44-05001D for new ladle preheaters, ladle metallurgical furnace, EAF baghouse dust handling system, VTD, and modification to No 4 EAF (Sources 040A, 103A, 110, 113, and 104A).

#002. The following sources do not require any work practice standards or testing, monitoring, recordkeeping and reporting requirements:

- (1) Storage tanks:
  - (i) Argon: Two (2) liquid inert gas storage tanks, aboveground, capacity 300 gal and 3,000 gal
  - (ii) Nitrogen: One (1) liquid inert gas tank, aboveground, capacity 11,000 gal.
  - (iii) Oxygen: Two (2) liquid tanks, aboveground, capacity 13,000 gal each.
  - (iv) Propane: Seven (7) tanks, aboveground, capacity: four (4) of 1,000 gal each, one (1) of 1,850 gal, and two (2) of 500 gal each.
  - (v) Diesel fuel oil ready use tank for Source 045, Caterpillar C15 diesel generator, and:
    - (aa) One (1) 500 gal tank, and
    - (ab) Two (2) 1,000 gal tanks.
  - (vi) Gasoline: One (1) aboveground tank, capacity 1,000 gal, located at garage.
  - (vii) Waste Oil: Two (2) of 6,000 gal waste oil tanks.
  - (viii) Hydraulic Oil: One (1) of 2,000 gal hydraulic oil tank.
- (2) Repair shop:
  - (i) Two coal fired furnaces in Repair Shop, annual coal throughput of 1 tpy.
  - (ii) Two furnaces in Repair Shop, electrically heated, Source IDs 8056 and 8057.
  - (iii) One furnace in the repair shop, natural gas heated, Source ID 8016
- (3) Plant wide machine coolant, Adchem 500, water based with organic additive.
- (4) Three Shot Blast Units in Machine Shop, Unit IDs: E-8572, E-8576, and E-8599. Each unit is controlled by dust collectors that exhaust indoor.
- (5) Scrap Torch Cutting with baghouse in scrap area (indoor exhaust).
- (6) Carpentry shop dust collection system controlled with bag filter, installed in 2007 as per RFD.
- (7) Seven maintenance parts cleaners between 6 gal and 70 gal using alkaline or detergent liquid.
- (8) Maintenance welding and scarfing fume Airex dust collector with HEPA filter that exhausts inside a building and was installed in 2010 pursuant to a request for determination.
- (9) Hurst boiler, natural gas fired, rated at 5 mmbtu/hr (approx. 150 hp), authorized by RFD.

**SECTION H. Miscellaneous.**

(10) Lanair MXD300 used oil heater, rated at 0.3 mmbtu/hr.

#003. Plan Approval No. 44-05001B consumed an emission increment of 16.3 tons of NO<sub>x</sub> towards the 40 tons applicability threshold for New Source Review.

#004. The NO<sub>x</sub> emission factor of 0.35 pounds per ton of steel production, for the No. 2 and No. 4a Electric Arc Furnaces (EAFs) and the Ladle Melting Furnace (EAFs), was originally derived from the RACT operating permit No. 44-2001. This RACT permit is now regulatory for only No. 2 Furnace.

#005. The capacity/throughput values referenced in Sections A, D, and H of this permit are for informational purposes only and are not operating limits unless they are specifically identified within a permit condition.

#006. The following additional sources and systems, referenced in Plan Approval 44-05001D, do not require any work practice standards or testing, monitoring, recordkeeping and reporting requirements:

(11) No. 4 EAF and LMF side draft hoods new cooling system, and including the existing No. 2 EAF side draft hood cooling, comprising of:

- i. Approximately 27,000 gallon concrete tank/sump, and
- ii. Mechanical draft cooling tower (Baltimore Aircoil Co. Model 3985C-3 or similar, water flow rate 10,000 gpm, cooling rate 120 F to 95 F, with make up water from existing surface water supply, and water circulated by three VTB pumps. The emissions from the water evaporation loss are PM<sub>10</sub> including mostly PM<sub>2.5</sub>, estimated total quantity is less than 1 tpy of the residual total dissolved solids (TDS, in the supply water).

(12) Settling Chamber, located after the No. 4 EAF direct shell hood, accumulator to reduce the gas pulse and conversion of the CO into CO<sub>2</sub>, with the exit gas velocity of 5.67 feet per second.

(13) Melt shop ancillary equipment operations, as follows:

- i. Outdoor scrap handling and preparation operation.
- ii. Slag handling system, comprising of passive and radiant cooling followed by truck transfer to Standard Steel's captive slag landfill owned and operated by Standard Steel.
- iii. Mechanical Maintenance operations.

#007. The following additional sources and systems, referenced in RFDs (in addition to above #002 and below #008(c)), do not require any restrictions, work practice standards, testing, and reporting requirements:

(14) RFD #1391: Slag handling and metal recovery.

(15) RFD #1405: EAF 4A additive storage silo and delivery system.

(16) RFD # 4268: Shot Blast E-8572 vents inside building.

#008. Source IDs 041 - 045 include four (4) emergency generators and one (1) non-emergency non-road engine as follows:

(a) Emergency Generators, Source IDs 041, 042, and 043 (Company IDs Gen #1, Gen #3, and Gen #4). These engines are spark ignition engines (SI RICE), and are subject to Federal MACT Subpart ZZZZ, because each engine was manufactured before 2002:

- Gen #1: Engine #1 is 66 hp Ford, installed 4/1970;
- Gen #3: Engine #3 is 228 hp Waukesha, installed 8/1970; and
- Gen #4: Engine #4 is 30 hp Waukesha, installed 4/1965.

(b) Emergency Generator Source ID 045 (Company ID Gen #6), compression ignition engine (CI RICE), and subject to Federal NSPS Subpart IIII.

(c) Non-road on wheel, non-emergency generator, company ID Gen #5: Engine is 374 hp Caterpillar C9 230AG, Tier 3, installed 12.9.2007, and not subject to NSPS Subpart IIII because it is not subject to NESHAP Subpart ZZZZ, as per Definition of Non-road engines and is moved around the facility for the plant outages during other sources' maintenance and repairs.

#009. RACT 2 Exempt Source List:

(a) Source operating under 25 Pa. Code §129.63 and not subject to RACT 2 pursuant to 25 Pa. Code §129.96(a):

**SECTION H. Miscellaneous.**

Source ID	Source Description	Pollutants
603	Safety Clean Usage (parts washers)	VOC

(b) Source PTE Less than 1 tpy each of VOC and/or NOx: The following sources have the PTE less than 1 tpy of NOx and/or VOC and not subject to RACT 2 requirements pursuant to 25 Pa. Code §129.96(c):

Source ID	Source Description	Pollutants
039	Ladle Heaters 8500 & 8501	VOC
040	Ladle Heater 8527	VOC
108	Multi-Torch Cutoff 8385 & 8389	VOC
165	Axle Torch Cut-Off	NOx & VOC
201	Continuous Conveyor Heat Treat Furnace	VOC
201B	AFM 8139 Cont. Conveyor	VOC
201C	AFM 8140 Cont. Conveyor	VOC
204	AFM 8141 Walking Beam Furnace	VOC
404	Rotary Austenitizing Furnace	VOC
405	Tempering Furnace	VOC
502A	Bay30, 8055 Cont. Car Draw	VOC
502B	Wheel Heat Treating, 8054 Cont. Car Furnace	VOC

(c) Sources Installed after July 20, 2012: The following sources were installed after July 20, 2012 and not subject to RACT 2 requirements pursuant to 25 Pa. Code §129.96(a):

Source ID	Source Description
040A-1	Ladle Heater #1
040A-2	Ladle Heater #2
103A	Ladle Metallurgical Furnace
113	Dual Chamber Vacuum Tank Degasser

[NOTE: CLAYTON BOILERS SOURCES 032, 037, AND 038 REMOVED AS SOURCES AND DELETED FROM ABOVE LIST (b).]

#010. Unless otherwise approved in writing by DEP, the following calculations will demonstrate how the production and hourly operation data for each unit will be used to estimate emissions:

(1) Actual NOx emissions (tons/month) associated with EAF No. 2 (Source ID No. 102) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.35 lbs of NOx per ton of steel tapped.

(2) Actual VOC emissions (tons/month) associated with EAF No. 2 (Source ID No. 102) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.09 lbs of VOC per ton of steel tapped.

(3) Actual NOx emissions (tons/month) associated with EAF No. 4A (Source ID No. 104A) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.40 lbs of NOx per ton of steel tapped.

(4) Actual VOC emissions (tons/month) associated with EAF No. 4A (Source ID No. 104A) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.25 lbs of VOC per ton of steel tapped.

(5) Actual NOx emissions (tons/month) associated with the LMF (Source ID No. 103A) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.05 lbs of NOx per ton of steel tapped.

(6) Actual VOC emissions (tons/month) associated with LMF (Source ID No. 103A) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.016 lbs of VOC per ton of steel tapped.

(7) Actual NOx emissions (tons/month) associated with the VTD (Source ID No. 113) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.05 lbs of NOx per ton of steel tapped.

(8) Actual VOC emissions (tons/month) associated with VTD (Source ID No. 113) shall be calculated monthly using actual furnace steel production for the month and an emission factor of 0.005 lbs of VOC per ton of steel tapped.

(9) Actual NOx emissions (tons/month) associated with the Ladle Preheaters (Source ID Nos. 039, 040, and 040A) shall be

**SECTION H. Miscellaneous.**

calculated based on actual natural gas usage for the month and an emission factor of 100 lbs of NO<sub>x</sub> per million cubic feet (MMCF) of natural gas combustion.

(10). Actual VOC emissions (tons/month) associated with Ladle Preheaters (Source ID Nos. 039, 040, and 040A) shall be calculated based on actual natural gas usage for the month and an emission factor of 5.5 lbs of VOC per MMCF of natural gas combustion.

(11) Calculated NO<sub>x</sub> emissions (tons/month) for source ID Nos. 039, 040, 040A, 102, 103A, and 104A shall be summed monthly and on a rolling 12-month total basis.

(12) Calculated VOC emissions (tons/month) for source ID Nos. 039, 040, 040A, 102, 103A, and 104A shall be summed monthly and on a rolling 12-month total basis.

(13) NOTE: In lieu of the emissions factors referenced above, an approved representative emission factor may be used.

#011. Boilers 032, 037 and 038 were deactivated during the 2017-2022 permit term.

#012. RACT 3 Exempt Source List:

(a) Source operating under 25 Pa. Code §129.63 and not subject to RACT 3 pursuant to 25 Pa. Code §129.111(a):

Source ID	Source Description	Pollutants
603	Safety Clean Usage (parts washers)	VOC

(b) Source PTE Less than 1 tpy each of VOC and/or NO<sub>x</sub>: The following sources have the PTE less than 1 tpy of NO<sub>x</sub> and/or VOC and not subject to RACT 3 requirements pursuant to 25 Pa. Code §129.111(c):

Source ID	Source Description	Pollutants
039	Ladle Heaters 8500 & 8501	VOC
040	Ladle Heater 8527	VOC
040A	Two Ladle Preheaters, LPH1 & LPH2	VOC
041	GEN #1, ONAN 30EK	VOC
042	GEN #3, ONAN 170	VOC
043	GEN #4, ONAN 12JC	VOC
045	GEN #6, Caterpillar C15	VOC
108	Multi-Torch Cutoff 8385 & 8389	VOC
113	Dual Chamber Vacuum Tank Degreaser	NO <sub>x</sub> & VOC
165	Axle Torch Cut-Off	NO <sub>x</sub> & VOC
201	Continuous Conveyor Heat Treat Furnace	VOC
201B	AFM 8139 Cont. Conveyor	VOC
201C	AFM 8140 Cont. Conveyor	VOC
204	AFM 8141 Walking Beam Furnace	VOC
404	Rotary Austenitizing Furnace	VOC
405	Tempering Furnace	VOC
502A	Bay30, 8055 Cont. Car Draw	VOC
502B	Wheel Heat Treating, 8054 Cont. Car Furnace	VOC

(c) The following sources were installed after August 3, 2018 and therefore not subject to RACT 3 requirements pursuant to 25 Pa. Code §129.111(a):

Source ID	Source Description	Pollutants
205A	Rotary Hearth Reheat Furnace	NO <sub>x</sub> & VOC



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

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