



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

TITLE V/STATE OPERATING PERMIT

| | | | |
|----------------|-------------------|------------------|-----------------|
| Issue Date: | March 16, 2020 | Effective Date: | January 5, 2022 |
| Revision Date: | December 22, 2021 | Expiration Date: | March 6, 2025 |
| Revision Type: | Amendment | | |

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: 04-00059

Federal Tax Id - Plant Code: 25-1635833-5

Owner Information

Name: IPSCO KOPPEL TUBULARS LLC
Mailing Address: PO BOX 750
BEAVER FALLS, PA 15010-0750

Plant Information

Plant: IPSCO KOPPEL TUBULARS LLC/KOPPEL PLT
Location: 04 Beaver County 04940 Koppel Borough
SIC Code: 3312 Manufacturing - Blast Furnaces And Steel Mills

Responsible Official

Name: JOSE TORRES
Title: OPS SR DIR
Phone: (936) 827 - 0794 Email:

Permit Contact Person

Name: ALEX RICHMOND
Title: HSE MGR
Phone: (724) 255 - 2992 Email: ARICHMOND@tenaris.com

[Signature] _____

MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION



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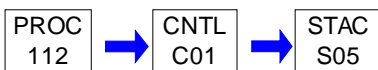
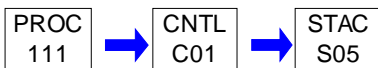
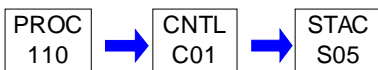
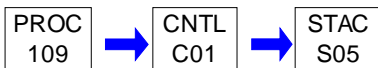
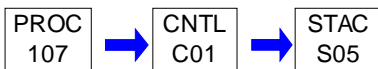
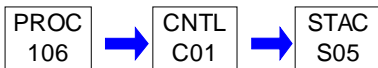
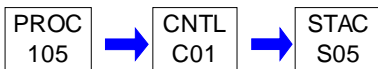
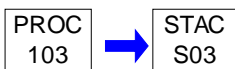
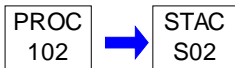
Section H. Miscellaneous

**SECTION A. Site Inventory List**

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|-----------|-----------------------------------------------------------|---------------------|---------------|
| 033 | VARIOUS SMALL HEATERS & FURNACES | | |
| 123 | SMALL GAS HEATERS | 26.000 | MMBTU/HR |
| 102 | AUSTENTIZING FURNACE | 30.000 | MMBTU/HR |
| 103 | TEMPER FURNACE RATED AT 17.0 MMBTU/HR | 17.000 | MMBTU/HR |
| 104 | TEST FORGE OVEN | 0.200 | MMBTU/HR |
| 105 | TUNDISH NOZ HEAT(2 UNIT) TUND.HEAT(2UN) | | |
| 106 | TUNDISH DRYERS (2 UNITS) | | |
| 107 | 1 LADLE DRYER 5.14 MMBTU/HR/4 LADLE HEATERS 31.4 MMBTU/HR | | |
| 108 | TORCH CUTOFFS (5 TORCHES) RATED 2.4 MMBTU/HR | | |
| 109 | #4 MELT SHOP - "EAF, LRS, CONT. CASTER & SUP. ACT." | | |
| 110 | CHARGING | | |
| 111 | EAF TAPPING/EBT | | |
| 112 | LADLE REFINING SYSTEM | | |
| 116 | DRY LIME AND ALLOY UNLOADING STATION | | |
| 117 | SCRAP CUTTING AND HANDLING | | |
| 118 | EMERGENCY GENERATOR (375HP) (CASTER WWTP) | | |
| 119 | LIME HANDLING (2 SILOS) | | |
| 120 | CARBON SILO | | |
| 121 | ACID ETCH BATH | | |
| 124 | STEELYARD BILLET TORCHE | | |
| 125 | EMERGENCY GENERATOR (435 BHP) (STEELYARD) | | |
| 126 | UV COATER | | |
| 127 | UV COATER DRYER | | |
| 128 | STEELYARD BILLET TORCHE | | |
| 129 | INDOOR AND OUTDOOR CUTTING OPERATIONS | | |
| C01 | BAGHOUSE (MELT SHOP) | | |
| C02 | BLOOM GRINDER CYCLONE | | |
| C03 | BAGHOUSE (BLOOM GRINDER) | | |
| C04 | BLOOM GRINDER CYCLONE | | |
| C05 | BLOOM GRINDER BAGHOUSE | | |
| C06 | STEELYARD TORCH CYCLONE | | |
| C07 | STEELYARD BILLET TORCHES BAGHOUSE | | |
| C08 | DRY MATERIAL UNLOADING BAGHOUSE | | |
| C09 | DRY MATERIAL UNLOADING BAGHOUSE | | |
| C10 | CARBON SILO BAGHOUSE | | |
| C11 | WTPP LIME SILO BAGHOUSE | | |
| C12 | MELT SHOP LIME SILO BAGHOUSES | | |
| C129 | DUST COLLECTOR | | |
| C13 | UV COATER FILTER | | |

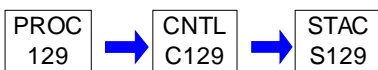
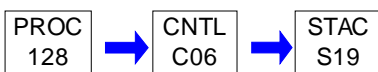
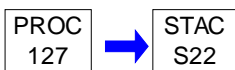
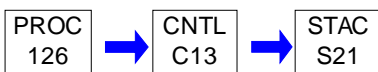
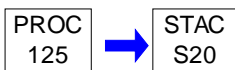
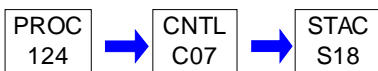
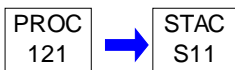
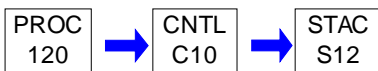
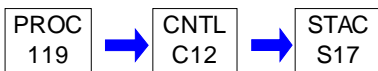
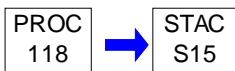
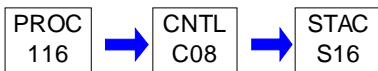
**SECTION A. Site Inventory List**

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|-----------|------------------------------------|---------------------|---------------|
| S02 | AUSTENTIZING FURNACE STACK | | |
| S03 | TEMPER FURNACE STACK | | |
| S05 | #4 BAGHOUSE STACK (10 SNUB STACKS) | | |
| S11 | ACID ETCHING STACK | | |
| S12 | CARBON SILO STACK | | |
| S129 | STACK | | |
| S15 | EMER. GEN. (WTPP) | | |
| S16 | DRY MATERIAL UNLOADING (2 STACKS) | | |
| S17 | MELT SHOP LIME SILOS (2) | | |
| S18 | STACK FOR STEEL YEARD CYCLONE | | |
| S19 | STACK FOR STEEL YEARD BAGHOUSE | | |
| S20 | STACK FOR STEELYEARD EMER. GEN | | |
| S21 | UV COATER STACK | | |
| S22 | UV COATER DRYER STACK | | |

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_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

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

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

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

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

**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
Air Section
1650 Arch Street, 3ED21
Philadelphia, PA 19103

The Title V compliance certification shall be emailed to EPA at 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 § 127.513]**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

**SECTION B. General Title V Requirements**

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.

#025 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

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

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

(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.

#026 [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.

**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 §121.7]****Prohibition of air pollution.**

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

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) N/A

(8) NA

(9) Sources and classes other than those identified in paragraphs (1) - (6), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

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

(c) A person responsible for any source specified in subsections (a)(1) -- (6) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

(2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

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(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

003 [25 Pa. Code §123.13]**Processes**

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

(b) No person may permit the emission into the outdoor atmosphere of particulate matter from any process listed in the following table, at any time, either in excess of the rate calculated by the formula in paragraph (2) or in such a manner that the concentration of particulate matter in the effluent gas exceeds .02 grains per dry standard cubic foot, whichever is greater:

(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds any of the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

(ii) The rate determined by the formula:

$$A = 6000/E$$

where:

A = Allowable emissions in grains per dry standard cubic foot, and

E = Effluent gas volume in dry standard cubic feet per minute,

when E is equal to or greater than 150,000 but less than 300,000.

(iii) .02 grain per dry standard cubic foot, when the effluent gas volume is greater than 300,000 dry standard cubic feet per minute.

(2) Allowable emissions. Allowable emissions under this subsection are graphically indicated in Appendix C.

004 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 123.1(a)(1)-(6) & (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

005 [25 Pa. Code §123.21]**General**

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

006 [25 Pa. Code §123.31]**Limitations**

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source

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in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

007 [25 Pa. Code §123.41]**Limitations**

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

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

008 [25 Pa. Code §123.42]**Exceptions**

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

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).
- (4) N/A

009 [25 Pa. Code §127.207]**ERC generation and creation.**

A creditable emissions decrease or ERC generation and creation may occur under the following conditions:

- (1) A creditable emissions decrease or ERC shall be surplus, permanent, quantified and Federally enforceable as follows:
 - (i) Surplus. A creditable emissions decrease or ERC shall be included in the current emission inventory, and may not be required by or be used to meet past or current SIP, attainment demonstration, RFP, emissions limitation or compliance plans. Emissions reductions necessary to meet NSPS, LAER, RACT, BAT, BACT, allowance-based programs and permit or plan approval emissions limitations or other emissions limitations required by the Clean Air Act or the act may not be used to generate ERCs or a creditable emissions decrease.
 - (ii) Permanent. A creditable emissions decrease or ERC generated from emissions reductions which are Federally enforceable through an operating permit or a revision to the SIP and assured for the life of the corresponding increase, whether unlimited or limited in duration, are considered permanent. Emissions limitations and other restrictions imposed on a permit as a result of a creditable emissions decrease or ERC generation shall be carried over into each successive permit issued to that facility. MERCs and other ERCs generated pursuant to an approved economic incentive program shall be permanent within the time frame specified by the program.
 - (iii) Quantified. A creditable emissions decrease or ERC shall be quantified in a credible, workable and replicable method consistent with procedures promulgated by the Department and the EPA.
 - (iv) Enforceable. A creditable emissions decrease or ERC shall be Federally enforceable emissions reductions, regulated by Federal or SIP emissions limitations, such as a limit on potential to emit in the permit, and be generated from a plan approval, economic incentive program or permit limitation.

**SECTION C. Site Level Requirements**

(2) Except as provided in § 127.206(r) (relating to ERC general requirements), an ERC registry application shall be submitted to the Department within 2 years of the initiation of an emissions reduction used to generate ERCs. For deactivated sources or facilities the following also apply:

(i) The owner or operator of an ERC-generating source or facility shall submit a written notice to the Department within 1 year after the deactivation of a source or facility to request preservation of the emissions in the inventory.

(ii) Within 2 years after ERC-generating emission reductions are initiated, the owner or operator of a source or facility that is covered under a maintenance plan submitted to the Department in accordance with § 127.11a or § 127.215 (relating to reactivation of sources; and reactivation) may permanently deactivate the source or facility and submit an ERC registry application to the Department if the emissions are preserved in the inventory.

(3) An ERC registry application must include the following information:

(i) The name of the owner and operator of the source or facility.

(ii) The intended use of the ERCs, including information as to whether the ERCs are to be used for netting, internal offsetting or trading purposes.

(iii) The intended or actual date of initiation of emission reductions.

(iv) A description of the emission reduction techniques used to generate the ERCs.

(v) Full characterization of the emissions reductions using a protocol approved by the Department, including the following:

(A) Requirements and methods specified by EPA emission regulations and trading policies.

(B) Information concerning tests and related emission quantification methods specified in Chapter 139 (relating to sampling and testing) and other Department and EPA approved test methods and sampling procedures.

(C) The amounts, rates, hours, seasonal variations, annual emission profile and other data necessary to determine the ambient impact of the emissions.

(D) Compliance and verification methods.

(vi) Other information required by the Department to properly certify the ERCs.

(vii) For an ERC generating source or facility located outside of this Commonwealth, the name of the Pennsylvania agent authorized to accept service of process, and a statement that the applicant accepts the jurisdiction of this Commonwealth for purposes of regulating the ERCs registered with the Department.

(4) In establishing the baseline used to calculate a creditable emissions decrease or ERC, the Department will consider emission characteristics and operating conditions which include, at a minimum, the emission rate, capacity utilization, hours of operations and seasonal emission rate variations, in accordance with the following:

(i) The baseline emissions rate will be determined as follows:

(A) The average actual emissions or allowable emissions, whichever is lower, shall be calculated over the 2 calendar years immediately preceding the emissions reduction which generates the creditable emissions decrease or ERC.

(B) When the Department determines that the 2-year period immediately preceding the emissions reduction is not representative of the normal emission rates or characteristics of the existing facility, the Department may specify a different 2-year period if that period of time or other conditions are representative of normal operations occurring within the

**SECTION C. Site Level Requirements**

preceding 5 calendar years. If the existing facility has been in operation for fewer than 2 years, the Department will determine the baseline emissions rate based on a shorter representative period when the facility was in operation.

(ii) The baseline emissions rate may not exceed the emissions in the emission statements required by Chapter 135 (relating to reporting of sources), for which fees have been paid.

(iii) The baseline emissions rate will not exceed the allowable emissions rate including RACT requirements in force at the time the ERC registry application is submitted. The allowable emissions rate will be based on the emissions limitation in this article or a permit limitation or another more stringent emissions limitation required by the Clean Air Act or the act, whichever is more restrictive. The Department will consider only complete applications and will apply the requirements in effect at that time in determining the emission reduction achieved.

(5) Acceptable emissions reduction techniques, which an applicant may use to generate ERCs, are limited to the following:

(i) Shutdown of an existing facility occurring after January 1, 1991, pursuant to the issuance of a new permit or permit modification which is not otherwise required to comply with the Clean Air Act or the act.

(ii) Permanent curtailment in production or operating hours of an existing facility operating in accordance with a new permit or a permit modification if the curtailment results in an actual emissions reduction and is not otherwise required to comply with the Clean Air Act or the act.

(iii) Improved control measures, including improved control of fugitive emissions, which decrease the actual emissions from an existing facility to less than that required by the most stringent emissions limitation required by the Clean Air Act or the act and which is reflected in a new permit or a permit modification.

(iv) New technology and materials or new process equipment modifications which are not otherwise required by the Clean Air Act or the act.

(v) The incidental emissions reduction of nonhazardous air pollutants resulting from statutorily required reductions of hazardous air pollutants, or the emissions reduction of nonhazardous air pollutants which are incidental to the excess early emissions reduction of hazardous air pollutants listed in section 112(b)(1) of the Clean Air Act (42 U.S.C.A. § 7412(b)(1)), if the reduction meets the other requirements of this section.

(vi) Notwithstanding the requirements in paragraph (2), a MERC program, airport emission reduction credits program or another Economic Incentive Program which meets the requirements of this subchapter and which is approved by the EPA as a SIP revision.

(A) The program shall comply with the following requirements:

(I) The program shall be consistent with the Clean Air Act and the act.

(II) ERCs shall be quantifiable and enforceable at both the Federal and State levels.

(III) ERCs shall be consistent with SIP attainment and RFP demonstrations.

(IV) ERCs shall be surplus to emissions reductions achieved under other Federal and State regulations relied upon in an applicable attainment plan or demonstration or credited in an RFP or milestone demonstration.

(V) ERCs shall be permanent within the time frame specified by the program.

(B) The program shall contain the following elements:

(I) A clearly defined purpose and goals and an incentive mechanism that can rationally be related to accomplishing the

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goals.

(II) A clearly defined scope, which identifies affected sources and assures that the program will not interfere with other applicable regulatory requirements.

(III) A program baseline from which projected program results, including quantifiable emission reductions, can be determined.

(IV) Credible, workable and replicable procedures for quantifying emissions or emission-related parameters.

(V) Source requirements, including those for monitoring, recordkeeping and reporting, that are consistent with specified quantification procedures and allow for compliance certification and enforcement.

(VI) Projected program results and methods for accounting for compliance and program uncertainty.

(VII) An implementation schedule, administrative system and enforcement provisions adequate for ensuring Federal and State enforceability of the program.

(VIII) Audit procedures to evaluate program implementation and track results.

(IX) Reconciliation procedures to trigger corrective or contingency measures to make up a shortfall between the projected emissions reduction and the emissions reduction actually achieved.

(6) Methods for initial quantification of ERCs and verification of the required emissions reduction include the following:

(i) The use of existing continuous emission monitoring data, operational records and other documentation which provide sufficient information to quantify and verify the required emissions reduction.

(ii) For a facility which does not have Department approved data collection or quantification procedures to characterize the emissions, the use of prereduction and postreduction emission tests. Emission tests used to establish emission data shall be conducted in accordance with the requirements and procedures specified in 40 CFR Part 51, Appendix S (relating to emission offset interpretive ruling) and Chapter 139, and other applicable Federal and state requirements.

(iii) For facilities for which emissions rates vary over time, a Department approved alternative method for quantifying the reduction and ensuring the continued emissions reduction, if the method is approved by the EPA.

(7) The reduced emissions limitation of the new or modified permit of the source or facility generating the creditable emissions decrease or ERC shall be continuously verified by Department, local air pollution control agency or other State approved compliance monitoring and reporting programs. Onsite inspections will be made to verify shutdowns. If equipment has not been dismantled or removed, the owner or operator shall on an annual basis certify in writing to the Department the continuance of the shutdown.

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

All air contamination sources, and air cleaning devices shall be operated in a manner consistent with the manufacturer's specifications and good engineering practice.

011 [25 Pa. Code §127.444]**Compliance requirements.**

A person may not cause or permit the operation of a source subject to this article unless the source 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 application and 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

**SECTION C. Site Level Requirements**

subject to this chapter in a manner inconsistent with good operating practices.

012 [25 Pa. Code §129.14]**Open burning operations**

- (a) Air basins. No person may permit the open burning of material in an air basin.
- (b) Not applicable
- (c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:
 - (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
 - (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
 - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
 - (4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
 - (5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.
 - (6) A fire set solely for recreational or ceremonial purposes.
 - (7) A fire set solely for cooking food.
- (d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:
 - (1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:

- (i) Air curtain destructors shall be used when burning clearing and grubbing wastes.
- (ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).
- (iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.
- (iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.



SECTION C. Site Level Requirements

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

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

II. TESTING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to 25 Pa. Code § 139.3 to at least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

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

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

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

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

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

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

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it

**SECTION C. Site Level Requirements**

becomes available. If internet submittal cannot be accomplished, one copy of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. Two copies of the submittal shall be sent to Pennsylvania Department of Environmental Protection, SWRO-AQ, 400 Waterfront Dr., Pittsburgh, PA 15222.

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

III. MONITORING REQUIREMENTS.**# 014 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

To ensure compliance with presumptive RACT, the owner/operator shall utilize AP-42 emission factors to calculate emissions. At a minimum, fuel usage shall be determined using the approved calculation method as prepared by the owner/operator to calculate and verify emission rates for sources with rated gross heat inputs of less than 20 MMBTU/hr.

IV. RECORDKEEPING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The owner/operator may verify compliance with the Sulfur Oxides limitation of 500 parts per million by compiling and maintaining records of fuel usage, throughput, operation schedule, and the most recent and appropriate AP-42 emission factors.

017 [25 Pa. Code §129.95]**Recordkeeping**

- (a) The owner and operator of a major NO_x emitting facility or a major VOCs emitting facility shall keep records to demonstrate compliance with 129.91 -- 129.94.
- (b) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 129.91 -- 129.94 are met.
- (c) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.
- (d) The records shall be retained for at least 2 years and shall be made available to the Department on request.
- (e) An owner or operator claiming that a facility is exempt from the RACT requirements of 129.91 -- 129.94, based on the facility's potential to emit, shall maintain records that clearly demonstrate to the Department that the facility or source is not subject to 129.91 -- 129.94.

**SECTION C. Site Level Requirements****# 018 [25 Pa. Code §135.21]****Emission statements**

(a) The Owner/Operator shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

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

V. REPORTING REQUIREMENTS.**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The owner/operator shall conduct the malfunction reporting as follows:

a. For the purpose of this condition, a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions may include, but are not limited to: large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property on whose land the source is being operated.

b. When the malfunction poses an imminent and substantial danger to the public health and safety, potential harm to the environment, the Owner/Operator shall report the incident to the Department within one hour of discovery. The Owner/Operator shall also notify the Department within one hour, when corrective measures have been accomplished.

All other malfunctions shall be reported to the Department no later than the next business day.

c. Initial reporting of the malfunction shall identify the following items to the extent known:

- i. Name and location of the facility;
- ii. Nature and cause of the malfunction;
- iii. Time when the malfunction or breakdown was first observed;
- iv. Expected duration of increased emissions; and
- v. Estimated rate of emissions.

d. Malfunctions shall be reported to the Department by e-mail (addresses will be provided by the Department) or by regular mail at the address below:

PA DEP
Office of Air Quality
400 Waterfront Drive
Pittsburgh, PA 15222-4745

412-442-4000

e. If requested by the Department, the Owner/Operator shall submit a full written report to the Department including final determinations of the items identified in c. and the corrective measures taken on the malfunction. The report shall be submitted within 15 days of the Department's request or accomplishing corrective measures, whichever is later."

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

Per 40 CFR Part 98, the Owner/Operator shall submit to the Department annual facility-wide GHG emissions statements by March 1 for the preceding calendar year.

**SECTION C. Site Level Requirements**

Submitting GHG emissions as part of the Annual Emission Statement (AES) is a satisfactory in method of meeting this condition.

021 [25 Pa. Code §127.442]**Reporting requirements.**

(a) The owner or operator shall report each malfunction that occurs at this facility that poses an imminent and substantial danger to the public health and safety or the environment or which it should reasonably believe may result in citizen complaints to the Department. For purpose of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions that may result in citizen complaints include but are not limited to: large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property of the person on whose land the source is being operated.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or the environment, the notification shall be submitted to the Department no later than one hour after the incident. All other malfunctions that must be reported under subsection (a) shall be reported to the Department no later than the next business day.

(c) The report shall describe the:

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

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

(e) Subsequent to the malfunction, the owner/operator shall submit a full written report to the Department including the items identified in (c) and corrective measures taken on the malfunction within 15 days, if requested.

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

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

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

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

(c) With respect to reporting, the permit shall incorporate the applicable reporting requirements and require the following:

(1) Submittal of reports of required monitoring at least every 6 months. Instances of deviations from permit requirements shall be clearly identified in the reports, Required reports shall be certified by a responsible official.

(2) Reporting of deviations from permit requirements within the time required by the terms and conditions of the permit including those attributable to upset conditions as defined in the permit, the probable cause of the deviations and corrective actions or preventive measures taken, except that sources with continuous emission monitoring systems shall

**SECTION C. Site Level Requirements**

report according to the protocol established and approved by the Department for the source.

023 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

Owner/operator shall submit the semi-annual monitoring reports for this facility by January 31 and July 31 of each year. The January 31 semi-annual monitoring report shall cover the period from July 1 through December 31. This semi-annual monitoring report may be included in January 31 Title V Compliance Certification required by Title 25 PA Code § 127.513. The July 31 semi-annual monitoring report shall cover the period from January 1 through June 30. However, in accordance with Title 25 PA Code § 127.511(c), in no case shall the semi-annual monitoring report be submitted less often than every six (6) months. This may require that an interim semi-annual monitoring report (covering a period less than six (6) months) be submitted to bring the facility into compliance with this schedule.

024 [25 Pa. Code §127.513]**Compliance certification.**

Permittee shall submit Compliance Certification Forms sufficient to demonstrate compliance with terms and conditions contained in the permit. Each Compliance Certification shall include the following:

- (a) The identification of each term or condition of the permit that is the basis of the certification.
- (b) The compliance status.
- (c) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (d) Whether compliance was continuous or intermittent.
- (e) Other facts the Department may require to determine the compliance status of the source.

Compliance Certifications shall be submitted to the Administrator of the EPA, as well as to the Department. EPA requests that Compliance Certifications be e-mailed to them at the following address: R3_APD_Permits@epa.gov

025 [25 Pa. Code §127.513]**Compliance certification.**

Owner/operator shall submit a Title V Compliance Certification for this facility by January 31 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. However, in accordance with Title 25 PA Code § 127.513(5)(i), in no case shall the Title V Compliance Certification be submitted less often than annually. This may require that an interim Title V Compliance Certification (covering a period less than one year) be submitted to bring the facility into compliance with this schedule.

026 [25 Pa. Code §135.3]**Reporting**

- (a) The owner and/or operator shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.
- (b) A source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT I Operating Permit #04-000-059, Condition #7, "All sources and air cleaning devices shall be operated and maintained in accordance with good air pollution control practices."

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emissions reductions of the targeted contaminants below the levels specified in RACT Approval 04-000-059 which are achieved by optimizing the effectiveness of equipment are not surplus emission reductions, and shall not be used to generate emission reduction credits. In order for the emission reductions to be creditable, the emission reductions must satisfy the requirements of 25 Pa. Code Section 127 Subchapter E.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: VARIOUS SMALL HEATERS & FURNACES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1

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: 123

Source Name: SMALL GAS HEATERS

Source Capacity/Throughput: 26.000 MMBTU/HR

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

The owner/operator shall operate and maintain these natural gas heaters per 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).

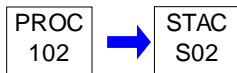
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: AUSTENTIZING FURNACE

Source Capacity/Throughput: 30.000 MMBTU/HR

**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.**

According to 25 Pa Code Section 129.100, the owner or operator of a combustion unit shall record each adjustment conducted under the procedure in Section 129.97(b). This record must contain, at a minimum:

- (1) The date of the tuning procedure.
- (2) The name of the service company and the technician performing the procedure.
- (3) The final operating rate or load.
- (4) The final NOx and CO emission rates.
- (5) The final excess oxygen rate.
- (6) Other information required by the applicable operating permit.

002 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

In accordance with the Presumptive RACT II requirements of 25 Pa Code §129.97(b)(1), the owner/operator shall install, maintain, and operate this source in accordance with the manufacturer's recommendations and with good operating practices. The biennial tune-up Includes:

- Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts, as necessary, for proper operation, as specified by the manufacturer.
- Inspection of the flame pattern or characteristics and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and, to the extent possible, emissions of CO.
- Inspection and adjustment, as necessary, of the air to fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

V. REPORTING REQUIREMENTS.

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



SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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).

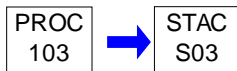
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: TEMPER FURNACE RATED AT 17.0 MMBTU/HR

Source Capacity/Throughput: 17.000 MMBTU/HR

**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.**

According to 25 Pa Code Section 129.100, the owner and operator of an air contamination source subject to this section and §§ 129.96 – 129.99 shall keep records to demonstrate compliance with 25 Pa. Code §§ 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.

The maintenance records should be kept for 5 years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The Owner/Operator shall install, maintain, and operate this source in accordance with the manufacturer's recommendations and with good operating practices per Presumptive RACT II requirements of 25 Pa Code Section 129.97(c)(3) which includes:

- Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts, as necessary, for proper operation, as specified by the manufacturer.
- Inspection of the flame pattern or characteristics and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NO_x and, to the extent possible, emissions of CO.

**SECTION D. Source Level Requirements**

- Inspection and adjustment, as necessary, of the air to fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: TEST FORGE OVEN

Source Capacity/Throughput: 0.200 MMBTU/HR

Conditions for this source occur in the following groups: 1

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

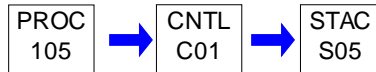
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: TUNDISH NOZ HEAT(2 UNIT) TUND.HEAT(2UN)

Source Capacity/Throughput:

**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.**

According to 25 Pa Code Section 129.100, the owner and operator of an air contamination source subject to this section and §§ 129.96 – 129.99 shall keep records to demonstrate compliance with 25 Pa. Code §§ 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.

The maintenance records should be kept for 5 years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The Owner/Operator shall install, maintain, and operate this source in accordance with the manufacturer's recommendations and with good operating practices per Presumptive RACT II requirements of 25 Pa Code Section 129.97(c)(3) which includes:

- Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts, as necessary, for proper operation, as specified by the manufacturer.
- Inspection of the flame pattern or characteristics and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NO_x and, to the extent possible, emissions of CO.

**SECTION D. Source Level Requirements**

- Inspection and adjustment, as necessary, of the air to fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

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

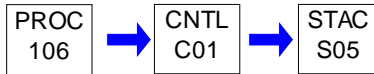
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 106 Source Name: TUNDISH DRYERS (2 UNITS)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1

**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: 107

Source Name: 1 LADLE DRYER 5.14 MMBTU/HR/4 LADLE HEATERS 31.4 MMBTU/HR

Source Capacity/Throughput:

**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.**

According to 25 Pa Code Section 129.100, the owner and operator of an air contamination source subject to this section and §§ 129.96 – 129.99 shall keep records to demonstrate compliance with 25 Pa. Code §§ 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.

The maintenance records should be kept for 5 years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The Owner/Operator shall install, maintain, and operate this source in accordance with the manufacturer's recommendations and with good operating practices per Presumptive RACT II requirements of 25 Pa Code Section 129.97(c)(3) which includes:

- Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts, as necessary, for proper operation, as specified by the manufacturer.
- Inspection of the flame pattern or characteristics and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NO_x and, to the extent possible, emissions of CO.

**SECTION D. Source Level Requirements**

- Inspection and adjustment, as necessary, of the air to fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: TORCH CUTOFFS (5 TORCHES) RATED 2.4 MMBTU/HR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

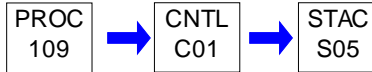
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: #4 MELT SHOP - "EAF, LRS, CONT. CASTER & SUP. ACT."

Source Capacity/Throughput:

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

The electric arc furnace baghouse stack shall not exhaust TSP/PM10 in excess of 0.004 gr/dscf.

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

Emissions of the following contaminants from the No. 3 & No. 4 EAF Baghouse shall not exceed the following on a 12-month rolling basis:

| Pollutant | Lb/hr | Lb/3-hour total | Ton/Yr |
|---------------------------|-------|-----------------|---------|
| CO | 500.0 | ----- | 1,345.5 |
| Nox (as NO ₂) | 60.0 | ----- | 164.5 |
| SOx (as SO ₂) | --- | 210 | 149.5 |
| VOC (as propane) | --- | ----- | 104.7 |

| Pollutant | Short-Term Emission Factor (lb/ton) | Long-Term Emission Factor (lb/ton) |
|---------------------------|----------------------------------------|---------------------------------------|
| CO | 5.0 | 4.5 |
| NOx (as NO ₂) | 0.60 | 0.55 |
| SOx (as SO ₂) | 0.70 | 0.50 |
| VOC (as propane) | 0.35 | 0.35 |

Lb/hr and lb/3-hour total emissions limits are calculated as follows, the term "heat" represents tap-to-tap time:

(short term emission factor) * (90 tons of steel/heat) * (1 heat/54 min.) * (60 min/hr).

Tons Per Year emission limits are calculated as follows:

(long term emission factor) * (598,000 prime cast tons/yr) * (1 ton/2000 lb).

Short Term & Long Term emission factors are provided for information only and are not enforceable limits.

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

Per 25 PA Code Section 127.211, the facility-wide maximum allowable emission rate on a 12-month rolling basis for NOx and VOC are as follows:

| STEEL PRODUCTION (tpy) | POTENTIAL NOx (tpy) | POTENTIAL VOC (tpy) |
|---------------------------|------------------------|------------------------|
| 598,000 | 219.34 | 108.43 |

**SECTION D. Source Level Requirements**

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.272a]
Subpart AAa - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Standard for particulate matter.**

(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.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10686]
Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities
What are the requirements for electric arc furnaces and argon-oxygen decarburization vessels?**

(a) You must install, operate, and maintain a capture system that collects the emissions from each EAF (including charging, melting, and tapping operations) and 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 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), exhibit 6 percent opacity or greater.

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

- (1) Exit from a control device and contain particulate matter (PM) in excess of 0.8 pounds per ton (lb/ton) of steel. Alternatively, the owner or operator may elect to comply with a PM limit of 0.0052 grains per dry standard cubic foot (gr/dscf); and
- (2) Exit from a melt shop and, due solely to the operations of any affected EAF(s), exhibit 6 percent opacity or greater.

Operation Hours Restriction(s).

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

Operation of the Electric Arc Furnace shall not exceed 8,320 hours in any consecutive 12-month period.

**SECTION D. Source Level Requirements****Throughput Restriction(s).****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Steel production at the facility shall not exceed 598,000 tons in any consecutive 12-month period.

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

The combined heat input to the three sidewall burners shall be limited to 30 MMBtu/hr.

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The owner/operator shall stack test from the EAF baghouse once every five years for TSP/PM10, NOx (as NO2), CO, sulfur oxides (SO2) and volatile organic compounds (VOC's).

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

Compliance with the hourly emission limits shall be determined based on the average of up to three runs in an representative, protocol test. Compliance with the annual emission limit shall be determined based on the average of all representative, protocol tests performed in any 12 month period, considering the actual steel production for the same 12 month period. Compliance with the three hour total emission limit for SOx shall be determined based on the total of three one-hour runs in a representative protocol test. Compliance with the annual emission limit and AIMS reporting for CO, NOx, and SOx shall be determined based on the most recent representative protocol test, considering the actual steel production for the preceding 12-month period. The Owner/Operator shall determine compliance with the annual emission limitation by multiplying the average emission factor (lbs CO, Nox or SOx/ton of prime cast steel) determined using the most recent representative protocol test (as described above) by the actual annual steel production rate (tons/yr) for the preceding 12-month period, and then divided by 2000. Production records must be included for each run in the stack test report.

011 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The Department shall be notified at least two weeks prior to any stack testing of the data and time of the test so that an observer may be present.

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Visible emissions observations of the baghouse shall be conducted at least once per day when the furnace is operating in the melting and refining period. These observations shall be taken in accordance with Method 9 and for at least three 6-minute periods, the opacity shall be recorded for any points where visible emissions are observed. The readings shall be performed by a certified visible emission observer and logged daily. These observations shall also take place concurrently during stack tests unless inclement weather interferes.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The owner/opertor shall perform daily observation of visible emissions from the meltshop and monthly operational status inspections of the equipment that is important to the performance of the total capture system (i.e. dampers, duct expansion joint, and damper switches, etc.). These inspections shall include observations of the physical appearance and function of the equipment (e.g., presence of holes in ductwork or hoods, flow constriction, fan imbalance, etc.). The owner/operator shall keep a log of any malfunctions of th air cleaning device and provide it to the Department upon request.

014 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

As part of their compliance assurance monitoring (CAM) plan, the permittee will monitor the baghouse pressure differentials, evacuation system fan amperages, visible emissions from the melt shop and baghouse and conduct a performnce test to demonstrate a reasonable assurance that baghouse C01 controls particulate matter to levels in

**SECTION D. Source Level Requirements**

compliance with the emissions restrictions in this permit.

I. Indicator: Pressure Differential

(a) Measurement Approach: The Baghouse C01 control room is equipped with pressure differential indicators that measure the pressure differential across the filter for each of the 20 baghouse compartments.

(b) Indicator Range: The differential pressure is maintained between 2-7 inches of water, when a compartment is not in the cleanign cycle. Excursions from this range will trigger an internal inspections and corrective actions.

(c) Performance Criteria

(i) Data Representativeness: Pressure differential is maintained between 2-7 inches of water when not in the cleaning cycle.

(ii) Verification of Operational Status: The manometer are visually inspected daily when the electric arc furnace is in operation. If there are any unusual readings an internal investigation will be conducted and corrective maintenance procedures will be completed if necessary.

(iii) QA/QC Practices and Criteria: The manometers have a direct physical connection to each baghouse compartment. The pressure differential is measured in inches of water and do not require routine calibration.

(iv) Monitoring Frequency: Once per shift when the electric arc furnace is operational.

(v) Data Collection Procedures: Plant personnel read and record the pressure differential readings of the baghouse once per shift when the electric arc furnace is operational.

(vi) Averaging Period: Not applicable.

II Indicator: Fan Amperage

(a) Measurement Approach: The baghouse is equipped with three main baghouse fans that draw contaminated air from the melt shop to the baghouse compartments. A major fluctuation from standard baseline amperage would indicate substantial flow interruptions.

(b) Indicator Range: The fan amps will fluctuate slightly during normal operation. If the amps rise or fall below normal operating range which is determined during the most recent stack test, an internal inspection and possible corrective actions will be triggered.

(c) Performance Criteria

(i) Data Representativeness: Measure the total fan amperage across all three main baghouse fans.

(ii) Verification of Operational Status: The equipment shall be installed according to the manufacturer's specifications.

One fan may be shutdown for repairs without affecting the overall performance of the baghouse.

(iii) QA/QC Practices and Criteria: Not Applicable.

(iv) Monitoring Frequency: Once per shift when the electric arc furnace is operational.

(v) Data Collection Procedures: Plant personnel read and record the fan amp readings of the three main baghouse fans once per shift when the electric arc furnace is operational.

(vi) Averaging Period: Not applicable.

III. Indicator: Visible Emissions Monitoring

(a) Measurement Approach: Monitoring of visible emissions by a EPA certified reader.

(b) Indicator Range: Observations will be taken in accordance with EPA Method 9 by a certified visible emissions observer for at least three 6-minute intervals daily when the electric arc furnace (EAF) is in operation. Visible emissions shall not exceed 6% for the EAF canopy and shall not exceed 3% for the baghouse C01. Excursions will trigger an internal inspection and corrective actions respectively.

(c) Performance Criteria

(i) Data Representativeness: Daily visible emission observations when the electric arc furnace is in operation.

(ii) Verification of Operational Status: Any visible emissions from the baghouse may be an indication of a potential bag failure. Upon observation of visible emissions at the baghouse, the compartment which was observed to have emissios

**SECTION D. Source Level Requirements**

will be shut down for inspection and repairs if necessary. The baghouse may have two compartments down for maintenance without impairing the operational efficiency of the baghouse.

(iii) QA/QC practices and Criteria: The personnel conducting the visible emissions observations shall be trained and annually certified for Method 9 readings.

(iv) Monitoring Frequency: Daily when the electric arc furnace is operational.

(v) Data Collection Procedures: Plant personnel read and record the visible emissions readings of the baghouse and the electric arc furnace canopy daily when the electric arc furnace is operational. All visible emission records shall be maintained onsite for a minimum of 5-years and shall be made available to the Department upon request.

(vi) Averaging Period: Not applicable.

IV. Indicator: Performance Testing

(a) Measurement Approach: Conduct emissions testing to demonstrate compliance with the emission limitations.

(b) Indicator Range: An excursion is identified as any emission monitoring that does not meet the permitted emission limitations. An excursion will trigger an internal inspection and correction action.

(c) Performance Criteria:

(i) Data Representativeness: A test protocol will be submitted to the Department and approved prior to conducting the performance test.

(ii) Verification of Operational Status: Operational parameters are recorded as part of the test protocol.

(iii) QA/QC Practices and Criteria: Conduct testing according to test protocol and approved EPA test methodology.

(iv) Monitoring Frequency: Conduct a performance test once during the term of the permit.

(v) Data Collection Procedures: Per approved test method.

(vi) Average Period: Not Applicable.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.273a]

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

Emission monitoring.

(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.

(c) A continuous monitoring system for the measurement of opacity is not required on modular, multiple-stack, negative-pressure or positive-pressure fabric filters if observations of the opacity of the visible emissions from the control device are performed by a certified visible emission observer as follows: Visible emission observations are conducted at least once per day when the furnace is operating in the melting and refining period. These observations shall be taken in accordance with Method 9, and, for at least three 6-minute periods, the opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of the visible emissions, only one set of three 6-minute observations will be required. In this case, Method 9 observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident. Records shall be maintained of any 6-minute average that is in excess of the emission limit specified in 60.272a(a) of this subpart.

(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 or more consecutive 15-second opacity observations of emissions from the

**SECTION D. Source Level Requirements**

shop taken in accordance with Method 9. Shop opacity shall be recorded for any point(s) where visible emissions are observed in proximity to an affected EAF. 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.

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

(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 (d) 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)) and either check and record the control system fan motor amperes and damper position on a once-per-shift basis; or install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood; 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. 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 Plus/Minus 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 the Administrator may require that (under section 114 of the Act, as amended) either the control system fan motor amperes and all damper positions or the volumetric flow rate through each separately ducted hood 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)(1) or (b)(2) 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 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 paragraph 276a(c).

(d) 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 monthly operational status inspections that will provide a continuous record of the operation of each emission capture system.

(f) non-applicable

(g) Except as provided for under 60.273a(d), when the owner or operator of an EAF controlled by a DEC is required to demonstrate compliance with the standard under 60.272a(a)(3) of this subpart, and at any other time the Administrator may require (under section 114 of the Clean Air Act, as amended), the pressure in the free space inside the furnace shall be determined during the melting and refining period(s) using the monitoring device required under paragraph (f) of this section. The owner or operator may petition the Administrator for reestablishment of the whenever the owner or operator

**SECTION D. Source Level Requirements**

can demonstrate to the Administrator's satisfaction that the EAF operating conditions upon which the pressures were previously established are no longer applicable. The pressure determined during the most recent demonstration of compliance shall be maintained at all times when the EAF is operating in a meltdown and refining period. Operation at higher pressures may be considered by the Administrator to be unacceptable operation and maintenance of the affected facility.

(h) During any performance test required under 60.8, and for any report thereof required by 60.275a(d) 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 monitor or Reference Method 9 data.

IV. RECORDKEEPING REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The manometer readings shall be documented in a log book with the name of the individual recording the reading and provide it to the Department upon request.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep a record of all charge materials, charge weights, tap weights, and tap-to-tap times for each heat of steel.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall monitor and record the amount of electrical energy consumed for each heat of steel produced.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall keep a 12-month rolling total for the following:

- a. Tons of steel production at the facility.
- b. Operating hours of the Electric Arc Furnace
- c. Tons of steel throughput for the Electric Arc Furnace.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All logs and required records shall be maintained on site for a minimum of five (5) years and shall be made available to the Department upon request.

022 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a log book containing the daily opacity readings per Method 9. This logbook shall include the name of the company representative, date, time of monitoring and the wind direction.

023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.276a]

**Subpart AA - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983
Recordkeeping and reporting requirements.**

**SECTION D. Source Level Requirements**

(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).

024 [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.**

(a) 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 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.

(b) 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 procedure(s) that will be used to determine compliance. Notification of the procedure(s) to be used must be postmarked 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 monitor or Reference 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;

**SECTION D. Source Level Requirements**

- (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.

V. REPORTING REQUIREMENTS.**# 025 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]****Subpart A - General Provisions****Notification and record keeping.**

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification as follows:

- (1) Non-applicable.
- (2) Non-applicable.
- (3) Non-applicable.

(4) A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

(5) A notification of the date upon which demonstration of the continuous monitoring system performance commences in accordance with 60.13(c). Notification shall be postmarked not less than 30 days prior to such date.

(6) A notification of the anticipated date for conducting the opacity observations required by 60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

(7) A notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during a performance test required by 60.8 in lieu of Method 9 observation data as allowed by 60.11(e)(5) of this part. This notification shall be postmarked not less than 30 days prior to the date of the performance test.

(b) Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

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(c) non-applicable

(1) non-applicable

(2) non-applicable.

(3) non-applicable.

(4) non-applicable

(d) non-applicable

(1) non-applicable

(2) non-applicable

Figure 1--Summary Report-- Gaseous and Opacity Excess Emission and Monitoring System Performance (Non-applicable)

(e)(1) Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the following conditions are met:

(i) For 1 full year (e.g., 4 quarterly or 12 monthly reporting periods) the affected facility's excess emissions and monitoring systems reports submitted to comply with a standard under this part continually demonstrate that the facility is in compliance with the applicable standard;

(ii) The owner or operator continues to comply with all recordkeeping and monitoring requirements specified in this subpart and the applicable standard; and

(iii) The Administrator does not object to a reduced frequency of reporting for the affected facility, as provided in paragraph (e)(2) of this section.

(2) The frequency of reporting of excess emissions and monitoring systems performance (and summary) reports may be reduced only after the owner or operator notifies the Administrator in writing of his or her intention to make such a change and the Administrator does not object to the intended change. In deciding whether to approve a reduced frequency of reporting, the Administrator may review information concerning the source's entire previous performance history during the required recordkeeping period prior to the intended change, including performance test results, monitoring data, and evaluations of an owner or operator's conformance with operation and maintenance requirements. Such information may be used by the Administrator to make a judgment about the source's potential for noncompliance in the future. If the Administrator disapproves the owner or operator's request to reduce the frequency of reporting, the Administrator will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator's intention. The notification from the Administrator to the owner or operator will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

(3) As soon as monitoring data indicate that the affected facility is not in compliance with any emission limitation or operating parameter specified in the applicable standard, the frequency of reporting shall revert to the frequency specified in the applicable standard, and the owner or operator shall submit an excess emissions and monitoring systems performance report (and summary report, if required) at the next appropriate reporting period following the noncomplying event. After demonstrating compliance with the applicable standard for another full year, the owner or operator may again request approval from the Administrator to reduce the frequency of reporting for that standard as provided for in paragraphs (e)(1) and (e)(2) of this section.

[The new 60.7(e) added at 59 FR 12427, March 16, 1994]

(f) Any owner or operator subject to the provisions of this part shall maintain a file of all measurements, including

**SECTION D. Source Level Requirements**

continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.

(g) If notification substantially similar to that in paragraph (a) of this section is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of paragraph (a) of this section.

(h) Individual subparts of this part may include specific provisions which clarify or make inapplicable the provisions set forth in this section.

[Former 60.7(e)--(g) redesignated as new (f)--(h) at 59 FR 12427, March 16, 1994]

026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10685]**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What are the requirements for the control of contaminants from scrap?**

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

(1) N/A

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Visible emissions from the baghouse shall be observed and recorded in accordance with the requirements of 40 CFR 60.273a performed concurrently with all emissions testing. These observations shall be made by a certified reader.

028 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The owner/operator shall inspect the manometer readings at the baghouse at least once per shift while operating the meltshop.

029 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The owner/operator shall operate natural gas meters and record the amount of natural gas burned in the EAF Sidewall Burners for each heat of steel.

**SECTION D. Source Level Requirements****# 030 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The owner/operator shall perform monthly maintenance inspections of the Direct Evacuation System.

031 [25 Pa. Code §129.99]**Alternative RACT proposal and petition for alternative compliance schedule.**

In accordance with RACT II for EAF, VOC and HAPs compliance shall be determined through source testing required in the current TV Permit and the following work practices adopted at the facility:

- Good operating practices is routine inspection and maintenance that determines that the EAF is operating properly. This includes lid gap distances and temperatures etc.
- Maintain a scrap management plan that limits organics from the EAF scrap feed per 40 CFR Part 63.10685 Subpart YYYYY.

032 [25 Pa. Code §129.99]**Alternative RACT proposal and petition for alternative compliance schedule.**

In accordance with RACT II for EAF, NOx compliance shall be determined through source testing required in the current TV Permit and by limiting the availability of free nitrogen in the furnace atmosphere by:

1. Controlling exhaust flows to limit air ingress into the furnace;
2. Closing the slag door; and
3. Making sure the oxygen supply is free of nitrogen.
4. Compliance with the NOx emission limits shall be demonstrated through the annual compliance certification.

033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10685]**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What are the requirements for the control of contaminants from scrap?**

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

(1) N/A.

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

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

**SECTION D. Source Level Requirements**

(1) N/A.

(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 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.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 034 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The meltshop effluent shall be captured by the Direct Evacuation System (DEC) and ducted to electric arc furnace (EAF) Baghouse C01.

035 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.10]**Subpart A - General Provisions****State authority.**

The provisions of this part shall not be construed in any manner to preclude any State or political subdivision thereof from:

(a) Adopting and enforcing any emission standard or limitation applicable to an affected facility, provided that such emission standard or limitation is not less stringent than the standard applicable to such facility.

(b) Requiring the owner or operator of an affected facility to obtain permits, licenses, or approvals prior to initiating construction, modification, or operation of such facility.

036 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.12]**Subpart A - General Provisions****Circumvention.**

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

037 [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.**

(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:

(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

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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:

$$cst = \left[\sum_{i=1}^n (c_{si} Q_{sdi}) \right] / \sum_{i=1}^n Q_{sdi}$$

where:

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

c_{si}=concentration of particulate matter from control device "i", mg/dscm (gr/dscf).

n=total number of control devices tested.

Q_{sdi}=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 test runs shall be conducted concurrently, 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.

**SECTION D. Source Level Requirements****# 038 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

All request, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to both EPA and the Department. Submittals to the EPA shall be directed to the attention of the Director at the following address:

Air Toxics and Radiation
EPA - Region III
1650 Arch Street
Philadelphia, PA 19103

Section 111(c) directs the Administrator to delegate to each State, when appropriate, the authority to implement and enforce standards of performance for new stationary sources located in such State. All information required to be submitted to EPA under the above paragraph of this requirement, must also be submitted to the appropriate State Agency of any State to which this authority has been delegated (provided, that each specific delegation may except sources from a certain Federal or State reporting requirement). The appropriate mailing address for those States whose delegation request has been approved is as follows:

Pennsylvania DEP - Air Quality
400 Waterfront Drive
Pittsburgh, PA 15222

039 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5]**Subpart A - General Provisions****Determination of construction or modification.**

(a) When requested to do so by an owner or operator, the Administrator will make a determination of whether action taken or intended to be taken by such owner or operator constitutes construction (including reconstruction) or modification or the commencement thereof within the meaning of this part.

(b) The Administrator will respond to any request for a determination under paragraph (a) of this section within 30 days of receipt of such request.

040 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.6]**Subpart A - General Provisions****Review of plans.**

(a) When requested to do so by an owner or operator, the Administrator will review plans for construction or modification for the purpose of providing technical advice to the owner or operator.

(b)(1) A separate request shall be submitted for each construction or modification project.

(2) Each request shall identify the location of such project, and be accompanied by technical information describing the proposed nature, size, design, and method of operation of each affected facility involved in such project, including information on any equipment to be used for measurement or control of emissions.

(c) Neither a request for plans review nor advice furnished by the Administrator in response to such request shall (1) relieve an owner or operator of legal responsibility for compliance with any provision of this part or of any applicable State or local requirement, or (2) prevent the Administrator from implementing or enforcing any provision of this part or taking any other action authorized by the Act.

041 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.9]**Subpart A - General Provisions****Availability of information.**

**SECTION D. Source Level Requirements**

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter. (Information submitted voluntarily to the Administrator for the purposes of 60.5 and 60.6 is governed by 2.201 through 2.213 of this chapter and not by 2.301 of this chapter.)

042 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10680]**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****Am I subject to this subpart?**

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

043 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10681]**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What are my compliance dates?**

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

044 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10690]**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities****What parts of the General Provisions apply to this subpart?**

- (a) You must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) as provided in Table 1 of this subpart.
- (b) The notification of compliance status required by §63.9(h) must include each applicable certification of compliance, signed by a responsible official, in paragraphs (b)(1) through (6) of this section.
- (1) N/A.
- (2) For the restrictions on metallic scrap in §63.10685(a)(2): This facility complies with the requirements for restricted

**SECTION D. Source Level Requirements**

metallic scrap in accordance with §63.10685(a)(2);

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

(i) N/A.

(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)".

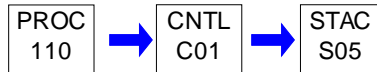
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: CHARGING

Source Capacity/Throughput:

**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).

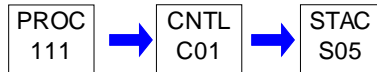
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: EAF TAPPING/EBT

Source Capacity/Throughput:

**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).

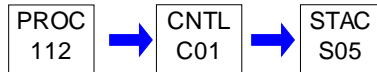
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: LADLE REFINING SYSTEM

Source Capacity/Throughput:

**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).

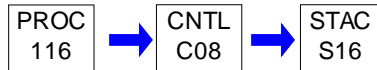
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: DRY LIME AND ALLOY UNLOADING STATION

Source Capacity/Throughput:

**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: 117

Source Name: SCRAP CUTTING AND HANDLING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1

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. *****

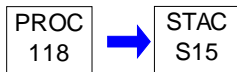
**SECTION D. Source Level Requirements**

Source ID: 118

Source Name: EMERGENCY GENERATOR (375HP) (CASTER WWTP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 119

Source Name: LIME HANDLING (2 SILOS)

Source Capacity/Throughput:

**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).

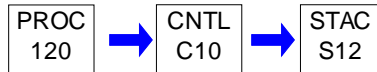
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: CARBON SILO

Source Capacity/Throughput:

**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).

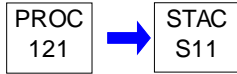
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 121

Source Name: ACID ETCH BATH

Source Capacity/Throughput:

**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).

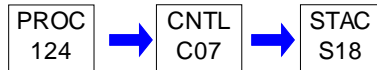
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 124

Source Name: STEELYARD BILLET TORCHE

Source Capacity/Throughput:

**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. *****

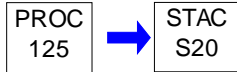
**SECTION D. Source Level Requirements**

Source ID: 125

Source Name: EMERGENCY GENERATOR (435 BHP) (STEELYARD)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 2

**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: 126

Source Name: UV COATER

Source Capacity/Throughput:

**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).

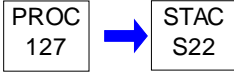
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 127

Source Name: UV COATER DRYER

Source Capacity/Throughput:

**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. *****

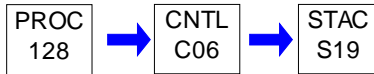
**SECTION D. Source Level Requirements**

Source ID: 128

Source Name: STEELYARD BILLET TORCHE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1

**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).

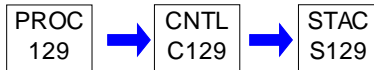
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 129

Source Name: INDOOR AND OUTDOOR CUTTING OPERATIONS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from indoor/outdoor from torch cutting operations shall be captured via a hood/canopy/umbrella type and vented to an "ETI Cyclone 20 DC Dust Collector" rated at 20,000 SCFM with 99.8% control efficiency, or similar dust collector meeting the same design specifications, at all times.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All material processed in the torch cutting operation shall be free from oil, paint, and/or grease

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Galvanized, stainless, and/or coated metals shall not be processed at this facility for torch cutting operation

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Actual hours of engine operations shall not exceed 850 hours per year and record of actual hours of operation shall be kept per 40 CFR Part 63 Subpart ZZZZ.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Cutting shall be performed indoors in the Steel Yard Building when feasible.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A record of material throughput shall be kept at site clearly showing tons of material received; tons of material shipped from facility; and actual hours of indoor and outdoor torch cutting at the facility on a 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

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

The owner or operator shall use water sprays or other control techniques on as needed basis to prevent fugitive emissions from becoming airborne.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 1

Group Description: Sources not subject to RACT II Regulations

Sources included in this group

| ID | Name |
|-----|----------------------------------------------|
| 033 | VARIOUS SMALL HEATERS & FURNACES |
| 104 | TEST FORGE OVEN |
| 106 | TUNDISH DRYERS (2 UNITS) |
| 108 | TORCH CUTOFFS (5 TORCHES) RATED 2.4 MMBTU/HR |
| 117 | SCRAP CUTTING AND HANDLING |
| 128 | STEELYARD BILLET TORCHE |

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The potential to emit NOx and VOC from each source in this source group shall not equal or exceed 1.0 tpy on a 12-month rolling 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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall demonstrate compliance with RACT II by monitoring and keeping records of NOx and VOC emission for each source in this group. These records shall be kept at for 5 years and make available to the Department on 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).

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: 2

Group Description: Emergency Generators

Sources included in this group

| ID | Name |
|-----|-------------------------------------------|
| 118 | EMERGENCY GENERATOR (375HP) (CASTER WWTP) |
| 125 | EMERGENCY GENERATOR (435 BHP) (STEELYARD) |

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

The owner/operator may not permit the emissions from any emergency generators into the outdoor atmosphere of particulate matter in excess of 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The owner/operator may not permit the emission from any emergency generator into the outdoor atmosphere in a manner that the concentration of the sulfur oxides (SO_x), expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The owner/operator shall only fire #2 fuel oil in the emergency generator. Use of other fuels is prohibited without prior Departmental approval. The sulfur content of the #2 fuel oil shall not, at any time, exceed 0.5% by weight.

Operation Hours Restriction(s).**# 004 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The owner/operator shall limit the operation of the emergency generator to 500 hours in any consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The owner/operator shall maintain records of the following operating parameters for the emergency generator operated at this facility:

- (a) Calculations used to verify the sulfur oxides and particulate emissions limitations.
- (b) The total number of hour operated per month.

The owner/operator shall make the above records available to the Department upon request and these records shall remain on file for five years.

**SECTION E. Source Group Restrictions.****# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

According to 25 Pa Code Section 129.100, the owner or operator shall keep records to demonstrate compliance with 25 Pa. Code §§ 129.97 – 129.98 and these records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.97 – 129.98 are met. The data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

The owner or operator shall retain all the records for five (5) years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §129.96]****Applicability**

The owner and operator shall install, maintain and operate source 118 (Caster WWTP) emergency engine and source 125 (Steel Yard) emergency engine per 25 Pa Code §129.96 and in accordance with the manufacturer's specifications and with good operating practices.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****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?**

The owner/operator shall follow the requirements of the existing emergency generators per Table 2d:

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

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

The owner/operator shall:

- Operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- 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.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

| Source Id | Source Descriptor | | |
|-----------------------|----------------------------------------------|---------------------------------------------|-----|
| 033 | VARIOUS SMALL HEATERS & FURNACES | | |
| Emission Limit | | Pollutant | |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | NOX |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | VOC |
| 104 | TEST FORGE OVEN | | |
| Emission Limit | | Pollutant | |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | NOX |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | VOC |
| 106 | TUNDISH DRYERS (2 UNITS) | | |
| Emission Limit | | Pollutant | |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | NOX |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | VOC |
| 108 | TORCH CUTOFFS (5 TORCHES) RATED 2.4 MMBTU/HR | | |
| Emission Limit | | Pollutant | |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | NOX |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | VOC |
| 117 | SCRAP CUTTING AND HANDLING | | |
| Emission Limit | | Pollutant | |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | NOX |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | VOC |
| 128 | STEELYARD BILLET TORCHE | | |
| Emission Limit | | Pollutant | |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | NOX |
| 1.000 | Tons/Yr | Emission limits below RACT II applicability | VOC |

Site Emission Restriction Summary

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

**SECTION H. Miscellaneous.**

Emission Limitation Summary:

| DEP ID | Source Description | Emission Limit | Pollutant |
|--------|------------------------|----------------|-----------|
| 123 | Gas Heaters | 500 ppm | SO2 |
| 102 | Austenizing Furnace | 500 ppm | SO2 |
| 103 | Temper Furnace | 500 ppm | SO2 |
| 104 | Test Forge Ovens | 500 ppm | SO2 |
| 105 | Tundish Nozzle Heater, | 500 ppm | SO2 |
| | Tundish Heaters | 500 ppm | SO2 |
| 106 | Tundish Dryers | 500 ppm | SO2 |
| 107 | Ladle Dryers | 500 ppm | SO2 |
| 108 | Torch Cutoffs | 500 ppm | SO2 |
| 114 | Billet Torches | 0.04 gr/dscf | PM |
| 116 | Lime/Alloy Loading | 0.04 gr/dscf | PM |
| 119 | 2 Lime Silos | 0.04 gr/dscf | PM |
| 120 | Carbon Silo | 0.04 gr/dscf | PM |

These sources qualify as insignificant activities and have no applicable standards, limitations, or recordkeeping requirements.

"Test Forge" at Old Blooming Mill by Met Lab: Steam powered unit was converted to compressed air. A stack in this area was removed a number of years ago.

"Maintenance Shop" for plant maintenance, including a glass bead shot blast unit that exhausts inside the building and miscellaneous machine shop equipment such as lathes and drill presses

Ladle and tundish cleaning and repair performed inside buildings.

"Yard Maintenance Building"

Metallurgical Laboratory for quality control inspection of product:

Approximately 9 small Safety Kleen parts cleaners using petroleum naphtha throughout the facility for maintenance. It also says cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements.

1500 gallon tank for storage of sodium hypochlorite solution at Wastewater Treatment Plant.

Valves, regulators, and piping for natural gas and acetylene used as fuel supply at the plant.

Scrap storage and handling excluding cutting.

Steam vents, leaks and relief valves.

Caster cooling water vents.

Steam discharge from "Resourcon" Heat Exchanger at Continuous Caster Wastewater Treatment Plant, Heat Exchanger at Bar Mill Wastewater Treatment Plant, and Rotary Furnace Heat Exchanger. Chrome containing water treatment chemicals are not used at this facility.



SECTION H. Miscellaneous.

Oil/Water separator tanks at Wastewater Plants and Emergency Generator Diesel Fuel Tanks. The three tanks listed are 8,000 gallons, 550 gallons, and 350 gallons respectively. Trivial list #24 states storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP.

Q&T Building - Straightener, saws, hand held grinders, UV coater, weigh measure & stencil station, sample saw, air blow, hot sizer, hot straightener, cooling beds, air compressor.

Liquid Oxygen Storage. Argon and Nitrogen storage.

Two "Emergency Dump" or "Sump" Tanks of about 7500 gallon capacity near Melt Shop 4.

Soldering and Welding, portable units for miscellaneous repairs

The Department does not permit sources that are classified as mobile sources. Combustion emissions from propulsion of mobile sources. The term "mobile" means it is capable of moving by its own power. The term does not include a source mounted on a vehicle, whether the mounting is permanent or temporary, which source is not used to supply power to the vehicle. The Department does recognize that Koppel operates locomotives, trucks, haulers and other sources that fit this category.



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