



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date: December 19, 2024

Effective Date: December 19, 2024

Expiration Date: December 18, 2029

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: 09-00006**

Federal Tax Id - Plant Code: 25-0996816-13

**Owner Information**

Name: US STEEL CORP  
Mailing Address: MON VALLEY WORKS – FAIRLESS PLT  
400 MIDDLE DR  
FAIRLESS HILLS, PA 19030

**Plant Information**

Plant: US STEEL CORP/FAIRLESS HILLS  
Location: 09 Bucks County 09002 Falls Township  
SIC Code: 3479 Manufacturing - Metal Coating And Allied Services

**Operator**

Name: KURT BARSHICK [If different from owner]  
Mailing Address: PO BOX 878  
MS 100  
DRAVOSBURG, PA 15034-0878

**Responsible Official**

Name: KURT BARSHICK  
Title: VP – MON VALLEY WORKS  
Phone: (412) 675 - 2600 Email: kbarshick@uss.com

**Permit Contact Person**

Name: KAYLENE KOWALSKI  
Title: ENV ENGR II  
Phone: (412) 675 - 7382 Email: kkowalski@uss.com

[Signature] \_\_\_\_\_  
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

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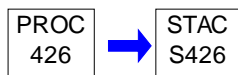
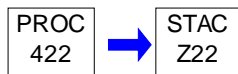
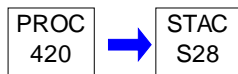
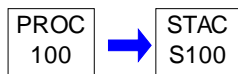
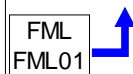
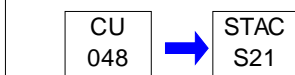
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
048	GAL3 STEAM BOILER	31.200 MMBTU/HR	
		31.200 MCF/HR	Natural Gas
100	PARTS WASHER	N/A	SOLVENT
420	GALVANIZING LINE FURNACE	75.000 Tons/HR	SHEET STEEL
		68.400 MCF/HR	NATURAL GAS
422	GALVANNEAL FURNACE	75.000 Tons/HR	STEEL SHEET
		16.000 MCF/HR	Natural Gas
426	MISC. NATURAL GAS USAGE	50.950 MCF/HR	Natural Gas
FML01	NATURAL GAS PIPELINE		
S100	PARTS WASHER EMISSIONS		
S21	UNSPECIFIED NAME		
S28	GALV LINE FURNACE STACK		
S426	STACKS (MULT) FOR NAT. GAS FIRED SOURCES		
Z22	UNSPECIFIED NAME		

**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.



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

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

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

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

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

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(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

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

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

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

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

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

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

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

The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

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

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

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

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

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

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

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

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(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
  - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
  - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14 (see Condition # 007(a)–(g), Section C, of this permit).
- (g) Sources and classes of sources other than those indicated in (a)–(f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
  - (1) The emissions are of minor significance with respect to causing air pollution.
  - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 001(a)–(g), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

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

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

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

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any source occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour.
- (b) Equal to or greater than 60% at any time.

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

The opacity emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 004(a)–(b), Section C, of this permit) shall not apply to a visible air contaminant emission in either of the following instances:

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

**SECTION C. Site Level Requirements**

(c) When the emission results from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 001(a)–(g), Section C, of this permit).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NOx) from this facility occurs in such a manner that the rate of the emission is less than 100 tons/yr, calculated monthly as a 12-month rolling sum.

**# 007 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not perform any open burning activities, except for the following:

- (a) 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.
- (b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (e) 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 the structure.
- (f) A fire set solely for recreational or ceremonial purposes.
- (g) A fire set solely for cooking food.

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

- (a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or H, of this permit, may be in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).
- (b) The permittee shall perform any test(s) required in (a), above, in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

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

The permittee may measure visible air contaminant emissions using either of the following:

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



**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(1)–(3).]

(a) The permittee shall monitor this facility, at least once per operating day, for the following:

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 003, Section C, of this permit).
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Condition #s 004–005, Section C, of this permit, respectively).
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Condition #s 001–002, Section C, of this permit, respectively).

(b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility shall:

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Have appropriate corrective action taken (for emissions that originate on-site).
- (4) Be recorded in a permanent written log.

(c) At the end of 6 months, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly for the next 6-month period.

(d) At the end of the second 6-month period, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on, but not limited to, the review of the annual certificate of compliance, the semi-annual deviation report, complaints, monitoring results, and/or Department findings.

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

The permittee shall calculate the total NOx emissions from this facility on a monthly and 12-month rolling basis, using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(2).]

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 024(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

(a) The permittee shall maintain records of all monitoring of odors and visible and fugitive air contaminant emissions, including deviations from the conditions found in Condition #s 001–004, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

**SECTION C. Site Level Requirements**

- (1) A description of the deviation.
  - (2) The source(s) and/or associated air pollution control device(s) and location(s).
  - (3) The duration (including the starting and ending date(s) and times).
  - (4) The cause(s).
  - (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.
- (b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

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

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

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

The permittee shall maintain records of the total NOx emissions from this facility on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 40 CFR § 60.7(b), and 25 Pa. Code Chapter 122 and § 127.511(c)(2).]

- (a) The permittee shall report malfunctions, emergencies, or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility, which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly-designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department by telephone at 484-250-5920, as well as to the County Emergency Management Agency by telephone, within 1 hour after the discovery of the malfunction, emergency, or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies, or incidents of excess emissions to the Department within 3 business days of the telephone report.
- (c) The report shall describe the following:
  - (1) The name, permit or authorization number, and location of the facility.

**SECTION C. Site Level Requirements**

- (2) The nature and cause of the malfunction, emergency, or incident.
  - (3) The date and time when the malfunction, emergency, or incident was first observed.
  - (4) The expected duration of excess emissions.
  - (5) The estimated rate of emissions.
  - (6) The corrective actions or preventative measures taken.
- (d) Any malfunction, emergency, or incident of excess emissions that is not subject to the notice requirements specified in (b), above, shall be reported to the Department by telephone at 484-250-5920 within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within 5 business days of discovery. The report shall contain the information listed in (c)(1)–(6), above, and any permit-specific malfunction reporting requirements.
- (e) During an emergency, an owner or operator may continue to operate the source at their discretion, provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements, in accordance with (b)–(d), above, as applicable, including any permit-specific malfunction reporting requirements.
- (f) Reports regarding malfunctions, emergencies, or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.
- (g) Any emissions resulting from a malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(c)(1)–(2) and 127.513(5)(i)–(v).]

(a) The permittee shall submit, to the Department electronically, the following reports:

(1) By April 1, of each year, an annual certificate of compliance, in accordance with Condition # 026(a)(1)–(4), Section B, of this permit, for the reporting period covering January 1–December 31, of the previous year.

(2) By October 1, of each year, a semi-annual deviation report, in accordance with Condition # 026(b), Section B, of this permit, for the reporting period covering January 1–June 30, of the same year. [Note: The annual certificate of compliance in (a)(1), above, fulfills the obligation for the second deviation reporting period (i.e., July 1–December 31, of each year).]

(b) The permittee shall submit, to EPA electronically, the annual certificate of compliance in (a)(1), above, in accordance with Condition # 022(b), Section B, of this permit.

**# 018 [25 Pa. Code §135.21]****Emission statements**

The permittee shall submit, to the Department, by March 1, of each year, an annual emission statement for NOx and volatile organic compound (VOC) emissions for the preceding calendar year. Additionally, a description of the method used to calculate the emissions shall be included. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is true and accurate.

**VI. WORK PRACTICE REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 123.1(c).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 001(a)–(g), Section C, of this permit) from becoming airborne. These actions shall include, but not be limited

**SECTION C. Site Level Requirements**

to, the following:

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

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

[Additional authority for this permit condition is derived from 40 CFR § 60.11(d) and 25 Pa. Code Chapter 122 and §§ 127.444, 127.512(h), and 129.91–129.95.]

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in Sections A and H, of this permit, are operated and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, and in accordance with the manufacturers' specifications.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Sections A or H, of this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee may not modify any air contaminant system identified in Sections A or H, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition # 019(g), Section B, of this permit.

**VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall reduce emissions of Class I and Class II refrigerants during the service, maintenance, repair, and disposal of equipment at this facility, in accordance with the provisions of 40 CFR Part 82, Subpart F.
- (b) The permittee shall utilize approved substitute refrigerants, in accordance with the provisions of 40 CFR Part 82, Subpart G.

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall follow all of the requirements listed in 40 CFR Part 61, Subpart M, for asbestos removal from the U.S. Steel Corp. property.

**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).



## SECTION C. Site Level Requirements

### IX. COMPLIANCE SCHEDULE

No compliance milestones exist.

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

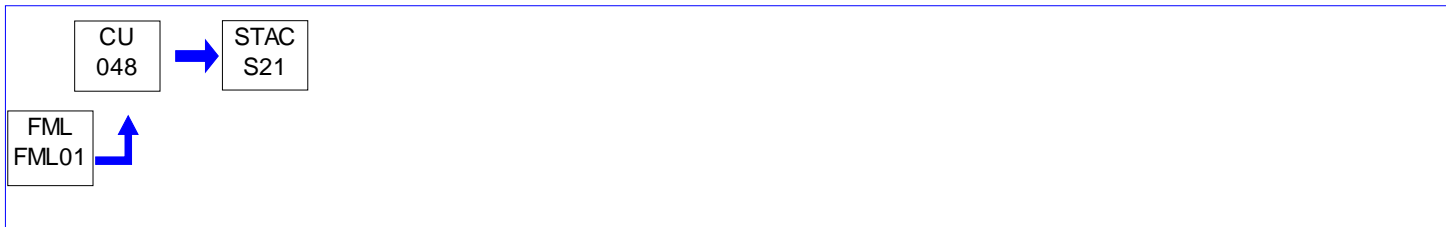
**SECTION D. Source Level Requirements**

Source ID: 048

Source Name: GAL3 STEAM BOILER

Source Capacity/Throughput: 31.200 MMBTU/HR

31.200 MCF/HR Natural Gas

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.11(a)(1) and 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this boiler occurs in such a manner that the rate of the emission does not exceed 0.4 lbs/mmBtu heat input.

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.1, 127.443(b), and 127.512(h).]

(a) The permittee shall ensure that the emission into the outdoor atmosphere of NO<sub>x</sub> from this boiler occurs in such a manner that the concentration of the emission does not exceed 30 ppmv, dry basis, corrected to 3% oxygen (O<sub>2</sub>).

(b) The permittee shall ensure that the emission into the outdoor atmosphere of carbon monoxide (CO) from this boiler occurs in such a manner that the concentration of the emission does not exceed 400 ppmv, dry basis, corrected to 3% O<sub>2</sub>.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that natural gas is the only fuel consumed by this boiler.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.22(e)(1).]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(2)–(3).]

The permittee shall monitor the following operating parameters for this boiler on a monthly basis:

(a) The hours of operation.

**SECTION D. Source Level Requirements**

(b) The amount of natural gas consumed.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.48c(g)(2) and 25 Pa. Code Chapter 122 and § 127.511(b)(1)-(2).]

The permittee shall maintain records of the following operating parameters for this boiler on a monthly and 12-month rolling basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

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

The permittee shall maintain records of each adjustment/tuneup of this boiler, as performed in accordance with Condition # 009, Section D (under Source ID 048), of this permit, in a permanently-bound log book or other Department-approved method. The log book shall contain, at a minimum, the following information for each adjustment/tuneup:

- (a) The date of the tuning procedure.
- (b) The names of the service company and technician(s).
- (c) The final operating rate or load.
- (d) The final NOx and CO emission rates.
- (e) The final excess oxygen rate.

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

The permittee may perform a calculation to demonstrate compliance with the PM emission rate restriction specified in Condition # 001, Section D (under Source ID 048), of this permit, while consuming using natural gas. If performed to demonstrate compliance, the permittee shall maintain records of the calculation on file for the life of this boiler and shall make it 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.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(3).]

The permittee shall operate and maintain a fuel meter to monitor the amount of natural gas consumed by this boiler.

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

**SECTION D. Source Level Requirements**

The permittee shall perform an adjustment or tuneup on this boiler on an annual basis, in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing. The adjustments/tuneups shall include, but not be limited to, the following:

- (a) Inspection, adjustment, cleaning, or replacement of fuel-burning equipment, including the burner and moving parts necessary for proper operation, in accordance with the manufacturer's specifications.
- (b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx and, to the extent practicable, CO.
- (c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation, in accordance with the manufacturer's specifications.

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

This source consists of a natural gas-fired, packaged firetube steam boiler, catalog (model) no. PFTAR750-4G150S, manufactured by Johnston Boiler Co. The boiler is rated at 31.2 mmBtu/hr heat input (750 boiler hp output), and is equipped with a low-NOx burner and internal flue gas recirculation (FGR) system.

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

This boiler is subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart Dc. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department. These shall be submitted in accordance with Condition # 022, Section B, of this permit.

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



**SECTION D. Source Level Requirements**

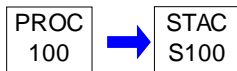
Source ID: 100

Source Name: PARTS WASHER

Source Capacity/Throughput:

N/A

SOLVENT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the following operating parameters for each delivery of solvent to this parts washer:

- (a) The amount of waste solvent removed.
- (b) The amount of virgin solvent added.
- (c) The freeboard ratio of the parts washer after virgin solvent is added.

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

The permittee shall calculate the VOC emissions from this parts washer for each delivery of solvent and on a 12-month rolling basis.

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

The permittee shall maintain records of the following operating parameters for each delivery of solvent to this parts washer:

- (a) The amount of waste solvent removed.
- (b) The amount of virgin solvent added.
- (c) The freeboard ratio of the parts washer after virgin solvent is added.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(5)–(6).]

- (a) The permittee shall maintain records of the following written information for each delivery of solvent to this parts washer:
  - (1) The type of solvent used, including the product or vendor identification number.
  - (2) The name and address of the solvent supplier.

**SECTION D. Source Level Requirements**

(3) The vapor pressure of the solvent (mm Hg, at 20 °C [68 °F]).

(b) The permittee may use invoices, bills of sale, certificates that correspond to the number of sales, Certified Product Data Sheets (CPDSs), Safety Data Sheets (SDSs) or other appropriate documentation acceptable to the Department to demonstrate compliance with (a)(1)–(3), above. A contract with the supplier stating that the solvent specifications will not change during the course of the contract may be used to demonstrate compliance with (a)(1)–(3), above, for all deliveries of solvent under the contract.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain records of the VOC emissions from this parts washer for each delivery of solvent and on a 12-month rolling basis, calculated using a Department-approved method.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(1).]

The permittee shall ensure that the freeboard ratio of this parts washer is equal to or greater than 0.5.

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(4) and (7).]

(a) The permittee shall not use any solvent in this parts washer with both a vapor pressure of equal or greater than 1.0 mm Hg and a VOC content of greater than 5% VOC, by weight, measured at 20 °C (68 °F).

(b) The requirements in (a), above, shall not apply in either of the following cases:

(1) If the permittee demonstrates, and the Department approves in writing, that compliance with (a), above, will result in unsafe operating conditions.

(2) If the freeboard ratio of the parts washer is equal to or greater than 0.75.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(2)(ii).]

The permittee shall ensure that this parts washer is equipped with a cover that remains closed at all times except during cleaning of parts or the addition or removal of solvent. A perforated drain with a diameter that does not exceed 6 inches shall constitute an acceptable cover.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(3)(i)–(v).]

The permittee shall ensure that this parts washer is operated in accordance with the following procedures:

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

**SECTION D. Source Level Requirements**

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

(c) Sponges, fabric, wood, leather, paper products, and other absorbent materials shall not be cleaned in the parts washer.

(d) Air-agitated solvent baths shall not be used.

(e) Spills during use of the parts washer and during cleaning solvent transfer shall be cleaned up immediately.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(2)(i)(A)–(C).]

The permittee shall ensure that this parts washer has a permanent, conspicuous label summarizing the operating requirements indicated in Condition # 009(a)–(e), Section D (under Source ID 100), of this permit. In addition, the label shall include the following discretionary good operating practices:

(a) Parts shall be oriented so that the cleaning solvent drains from them freely and directly back to the parts washer. Parts having cavities or blind holes shall be tipped or rotated while draining. Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer.

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

(c) Work area fans shall be located and positioned so that they do not blow across the opening of the parts washer.

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

This source consists of an immersion cold cleaning machine (parts washer), model 81, manufactured by Safety-Kleen Systems, Inc. The parts washer has a solvent capacity of 80 gallons.

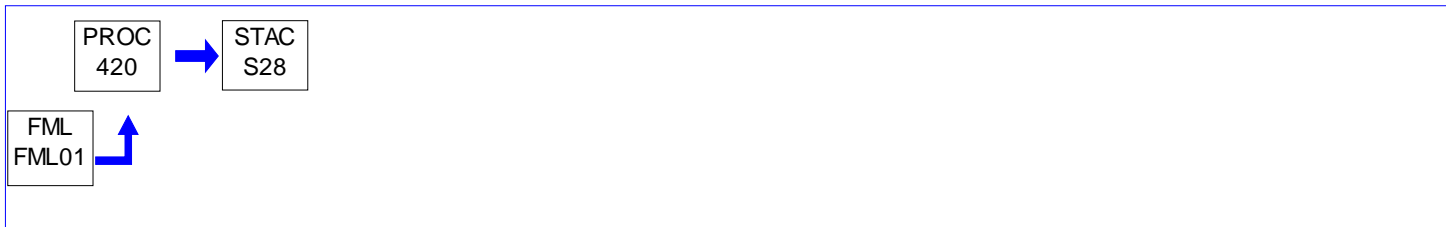
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 420

Source Name: GALVANIZING LINE FURNACE

Source Capacity/Throughput:	75.000 Tons/HR	SHEET STEEL
	68.400 MCF/HR	NATURAL GAS

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this galvanizing line furnace occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 grains per dry standard cubic foot (gr/dscf).

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that natural gas is the only fuel consumed by this galvanizing line furnace.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(a)(2)–(3) and 129.95.]

The permittee shall monitor the following operating parameters for this galvanizing line furnace on a monthly and 12-month rolling basis:

(a) The hours of operation.

(b) The amount of natural gas consumed.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall calculate the NO<sub>x</sub> and VOC emissions from this galvanizing line furnace on a monthly and 12-month rolling basis.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(b)(1)–(2) and 129.95.]

The permittee shall maintain records of the following operating parameters for this galvanizing line furnace on a monthly and 12-month rolling basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.91–129.95.]

The permittee shall maintain records of each adjustment/tuneup of this galvanizing line furnace, as performed in accordance with Condition # 009, Section D (under Source ID 420), of this permit, in a permanently-bound log book or other Department-approved method. The log book shall contain, at a minimum, the following information for each adjustment/tuneup:

- (a) The date of the tuning procedure.
- (b) The names of the service company and technician(s).
- (c) The final operating rate or load.
- (d) The final NOx and CO emission rates.
- (e) The final excess oxygen rate.

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

The permittee may perform a calculation to demonstrate compliance with the PM emission rate restriction specified in Condition # 001, Section D (under Source ID 420), of this permit, while consuming using natural gas. If performed to demonstrate compliance, the permittee shall maintain records of the calculation on file for the life of this galvanizing line furnace and shall make it available to the Department upon request.

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

The permittee shall maintain records of the NOx and VOC emissions from this galvanizing line furnace on a monthly and 12-month rolling basis, calculated using a Department-approved method.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.91–129.95.]

The permittee shall perform an adjustment or tuneup on this galvanizing line furnace on an annual basis. The adjustments/tuneups shall include, but not be limited to, the following:

**SECTION D. Source Level Requirements**

- (a) Inspection, adjustment, cleaning, or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation, in accordance with the manufacturer's specifications.
- (b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx and, to the extent practicable, CO.
- (c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation, in accordance with the manufacturer's specifications.

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

This source consists of a galvanizing line furnace manufactured by General Electric Co. The furnace is rated at 68.4 mmBtu/hr heat input.

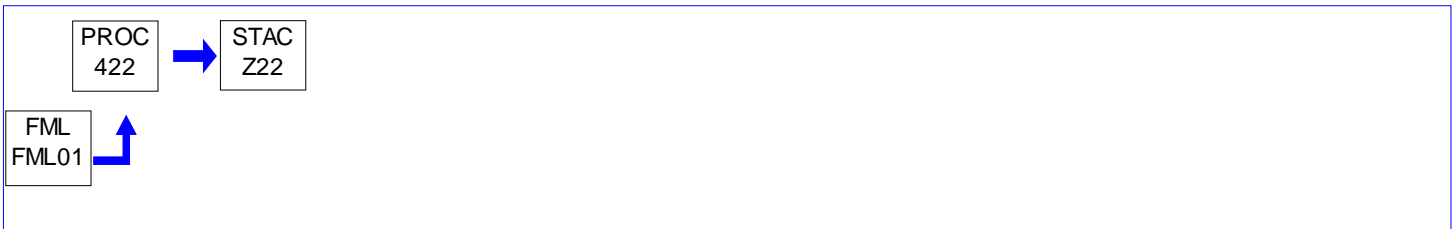
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 422

Source Name: GALVANNEAL FURNACE

Source Capacity/Throughput:	75.000 Tons/HR	STEEL SHEET
	16.000 MCF/HR	Natural Gas

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this galvanneal furnace occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 gr/dscf.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that natural gas is the only fuel consumed by this galvanneal furnace.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(a)(2)–(3) and 129.95.]

The permittee shall monitor the following operating parameters for this galvanneal furnace on a monthly and 12-month rolling basis:

(a) The hours of operation.

(b) The amount of natural gas consumed.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall calculate the NOx emissions from this galvanneal furnace on a monthly and 12-month rolling basis.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(b)(1)–(2) and 129.95.]

The permittee shall maintain records of the following operating parameters for this galvanneal furnace on a monthly and 12-month rolling basis:

- (a) The hours of operation.
- (b) The amount of natural gas consumed.

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

The permittee may perform a calculation to demonstrate compliance with the PM emission rate restriction specified in Condition # 001, Section D (under Source ID 422), of this permit, while consuming using natural gas. If performed to demonstrate compliance, the permittee shall maintain records of the calculation on file for the life of this galvanneal furnace and shall make it available to the Department upon request.

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

The permittee shall maintain records of the NOx emissions from this galvanneal furnace on a monthly and 12-month rolling basis, calculated using a Department-approved method.

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

This source consists of a galvanneal furnace manufactured by Surface Combustion, Inc. The furnace is rated at 16.0 mmBtu/hr heat input.

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



**SECTION D. Source Level Requirements**

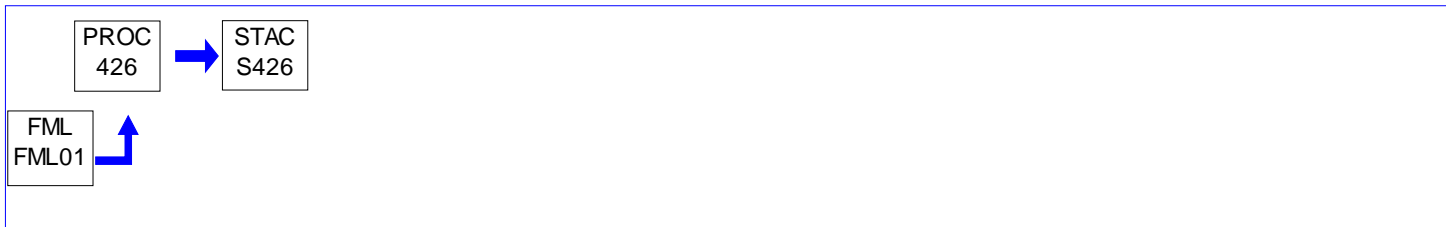
Source ID: 426

Source Name: MISC. NATURAL GAS USAGE

Source Capacity/Throughput:

50.950 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from each of these miscellaneous natural gas-fired sources occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 gr/dscf.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that natural gas is the only fuel consumed by these miscellaneous natural gas-fired sources.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

**Throughput Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the total amount of natural gas consumed by these miscellaneous natural gas-fired sources does not exceed 244,630 mcf/yr, calculated monthly as a 12-month rolling sum.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(a)(2)–(3) and 129.95.]

The permittee shall monitor the amount of natural gas consumed by these miscellaneous natural gas-fired sources on a monthly and 12-month rolling basis.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall calculate the NO<sub>x</sub> emissions from these miscellaneous natural gas-fired sources on a monthly and

**SECTION D. Source Level Requirements**

12-month rolling basis.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(b)(1)–(2) and 129.95.]

The permittee shall maintain records of the amount of natural gas consumed by these miscellaneous natural gas-fired sources on a monthly and 12-month rolling basis.

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

The permittee may perform calculations to demonstrate compliance with the PM emission rate restriction specified in Condition # 001, Section D (under Source ID 426), of this permit, while consuming using natural gas. If performed to demonstrate compliance, the permittee shall maintain records of the calculations on file for the respective lives of each of these miscellaneous natural gas-fired sources and shall make them available to the Department upon request.

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

The permittee shall maintain records of the NOx emissions from these miscellaneous natural gas-fired sources on a monthly and 12-month rolling basis, calculated using a Department-approved method.

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

This source grouping consists of the following miscellaneous natural gas-fired sources:

Source Type	Manufacturer	Model No./Type	Quantity	Rated Heat Input (mmBtu/hr)
Space Heaters	Dravo Corp.	100-I-SGA	37	1.25 each / 46.25 total
Space Heater	Cambridge Engineering, Inc.	C2500	1	2.50
ChemTreat Dryer	Eclipse Combustion, Inc.	AH-O 120	1	1.2
Zinc Pot Preheater	Eclipse Combustion, Inc.	50 Minimatic	1	1.0
				Total: 50.95

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



**SECTION E. Source Group Restrictions.**

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
048	GAL3 STEAM BOILER		
<b>Emission Limit</b>		<b>Pollutant</b>	
400.000	PPMV	Dry Basis; Corrected to 3% O2	CO
30.000	PPMV	Dry Basis; Corrected to 3% O2	NOX
0.400	Lbs/MMBTU	Heat Input	TSP
420	GALVANIZING LINE FURNACE		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		TSP
422	GALVANNEAL FURNACE		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		TSP
426	MISC. NATURAL GAS USAGE		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	From Each Source	TSP

**Site Emission Restriction Summary**

Emission Limit	Pollutant	
100.000 Tons/Yr	Less Than; 12-Month Rolling Sum, Calculated Monthly	NOX

**SECTION H. Miscellaneous.**

- (a) The plant address is: 400 Middle Drive, Fairless Hills, PA 19030.
- (b) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:
- (1) Operating Permit No. OP-09-0006.
  - (2) General Plan Approval and General Operating Permit (BAQ-GPA/GP-1) No. 09-302-082GP.
- (c) The following sources have been determined by the Department to be insignificant sources of air contaminant emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local laws and regulations, including those indicated in Section C, of this permit:
- (1) Welders.
  - (2) Shears.
  - (3) Accumulators.
  - (4) Acid cleaners.
  - (5) Caustic cleaners.
  - (6) Steam dryers.
  - (7) Annealing gas purge.
  - (8) Zinc pot.
  - (9) Air cooling.
  - (10) Water quench.
  - (11) Temper mills.
  - (12) Chemical treatments.
  - (13) Labeler.
  - (14) Oilers and electrostatic oilers.
  - (15) Coilers and uncoilers.
  - (16) Leveler.
  - (17) Delivery tension reel.
  - (18) Water rinses.
  - (19) Electric melt section.
  - (20) General equipment and facility maintenance.
  - (21) One 1,000-gallon lube-cube, fixed roof, gasoline storage tank.
  - (22) Laboratories.
  - (23) Wastewater treatment processes.
  - (24) Cleaning sections.

**SECTION H. Miscellaneous.**

- (25) Construction and demolition activities.
- (26) Fire protection and training.
- (27) Cafeteria.
- (28) Twelve portable electric infrared space heaters, which are used to keep water pipes from freezing.
- (d) 1995: U.S. Steel sold four powerhouse boilers to PECO Energy, who now operates the boilers with landfill gas.
- (e) December 5, 2000: U.S. Steel—Fairless Works submitted a maintenance plan, in accordance with 25 Pa. Code §§ 127.11(a) and 127.215, to deactivate its Electrolytic Tinning Line and the Electrolytic Tinning Line Anode Furnace.
- (f) August 9, 2001: U.S. Steel—Fairless Works submitted a maintenance plan, in accordance with 25 Pa. Code §§ 127.11(a) and 127.215, to deactivate its 80" HCl Pickling Line (Source ID 470), 56" HCl Pickling Line (Source ID 471), and associated packed-bed wet scrubbers (C37 and C38).
- (g) December 31, 2001: The Department issued Title V Operating Permit No. 09-00006 (APS ID 345152, Auth ID 643283) to U.S. Steel—Fairless Works for its facility.
- (h) December 20, 2002: The Department amended the permit (APS ID 345152, Auth ID 477125) to delete the condition linking U.S. Steel—Fairless Works with Exelon Generation Company—Fairless Steam Generating Station as support facilities following a determination by EPA. The word "malfunction" was also given a definition in Condition # 014, Section C, of the permit.
- (i) August 21, 2007: The Department renewed the Title V Operating Permit (APS ID 345152, Auth ID 643283). The 80" Pickling Line, 56" Pickling Line, 4-stand Cold Reduction Mill, 5-Stand Cold Reduction Mill, DCR Mill, Continuous Annealing Furnace, and all 30 Batch Annealing Furnaces have been permanently deactivated. The parts of the building housing these sources are in the process of being demolished. Conditions for asbestos removal will remain in the permit. One 31.2 MMBTU/hr Package Boiler (Source ID 048) was added to the permit. A review of the applicability of 40 CFR Part 63, Subpart DDDDD, to the boiler was performed, and the requirements of this regulation do not apply to the source since the facility is not a major facility for hazardous air pollutants (HAPs) at the time of issuance. The permittee has fulfilled its obligation of notifying EPA of its applicability as stated in the regulations. Applicability of this MACT applicability may be re-evaluated if U.S. Steel—Fairless Works becomes a major facility for HAPs.
- (j) April 9, 2009: The Department amended the permit (APS ID 345152, Auth ID 786977) to update one of the responsible officials and the permit contact person for this facility in accordance with 25 Pa. Code 127.450(a)(2).
- (k) August 25, 2009: The Department amended the permit (APS ID 345152, Auth ID 802901) to update one of the responsible officials and the permit contact person for this facility in accordance with 25 Pa. Code 127.450(a)(2).
- (l) November 19, 2012: The Department renewed the permit (APS ID 345152, Auth ID 916574). A parts washer was found at the facility during the inspection for the renewal and added to the permit. The ETL Anode Furnace was removed from the sources under Source ID 426 because it is no longer located at this facility. The monitoring and recordkeeping frequencies for fuel usage in Source IDs 420 and 422 were changed from weekly to monthly. The sources use natural gas as a fuel, and the Department has determined that the use of natural gas shows compliance with 25 Pa. Code §§ 123.13(c)(1)(i) and 123.21. The frequency of monitoring and recording fuel usage in Source IDs 420 and 422 is also consistent with the frequency of monitoring for Source ID 048. The requirements of 40 CFR Part 63, Subpart JJJJJ, do not have conditions that apply to natural gas usage, so these requirements do not apply to Source ID 048.
- (m) February 28, 2013: Pursuant to Condition # 010(c), Section C, of the permit, the Department approved the permittee's request to reduce the frequency of monitoring this facility for odors, visible emissions, and fugitive particulate matter to weekly. The Department reserves the right to change the frequency of monitoring pursuant to Condition # 010(e), Section C, of the permit.
- (n) April 2, 2013: The Department amended the permit (APS ID 345152, Auth ID 968638) to change the name of a responsible official for this facility in accordance with 25 Pa. Code § 127.450(a)(2), to correct address information for the facility, and to generalize the solvent used in the parts washer.
- (o) September 4, 2015: The Department amended the permit (APS ID 345152, Auth ID 1083237) to update the responsible officials and permit contact person for the facility in accordance with 25 Pa. Code § 127.450(a)(2).

**SECTION H. Miscellaneous.**

(p) December 22, 2016: The Department modified the permit (APS ID 345152, Auth ID 1154463) to add a natural gas consumption restriction of 244,630 mcf/yr for the miscellaneous natural gas usage source grouping (Source ID 426), as well as a NOx emission rate restriction of less than 100 tons/yr, calculated monthly as a 12-month rolling sum. The natural gas consumption and NOx emission rate restrictions are designed to ensure that the NOx emissions from the facility will not exceed the RACT II threshold. The Department also amended the permit to update one of the responsible officials for the facility in accordance with 25 Pa. Code § 127.450(a)(2).

(q) October 11, 2019: The Department renewed the permit (APS ID 345152, Auth ID 1187031). The Department removed the additional responsible official listing for the facility. Pursuant to Condition # 010(d), Section C, of the permit, the Department approved the permittee's request to reduce the frequency of monitoring this facility for odors, visible emissions, and fugitive particulate matter to monthly. The Department reserves the right to change the frequency of monitoring pursuant to Condition # 010(e), Section C, of the permit.

(r) December 19, 2024: The Department renewed the permit (APS ID 345152, Auth ID 1473270). The Department updated the permit contact person for the facility and removed the semi-annual reporting requirement for the boiler.





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

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