



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: December 1, 2010

Effective Date: December 1, 2010

Expiration Date: December 1, 2015

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 unless otherwise designated.

State Only Permit No: 23-00049

Synthetic Minor

Federal Tax Id - Plant Code: 74-1720208-1

Owner Information

Name: PPL INTERSTATE ENERGY CO

Mailing Address: 214 SHOEMAKER RD

POTTSTOWN, PA 19464-6422

Plant Information

Plant: PPL INTERSTATE ENERGY CO/MARCUS HOOK PUMP STA

Location: 23 Delaware County

23824 Lower Chichester Township

SIC Code: 4613 Trans. & Utilities - Refined Petroleum Pipelines

Responsible Official

Name: DENNIS MURPHY

Title: VICE PRESIDENT

Phone: (610) 774 - 4316

Permit Contact Person

Name: DREW D CUMMINGS

Title: OPERATIONS MANAGER

Phone: (610) 327 - 5331

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

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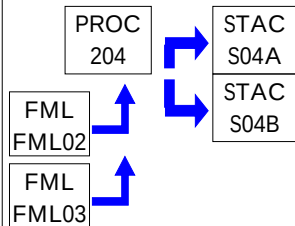
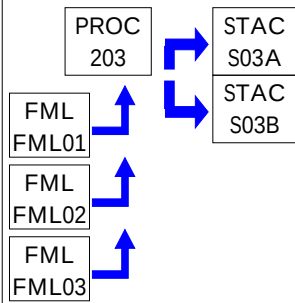
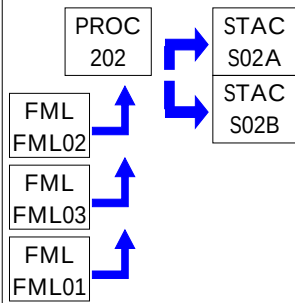
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	COLD PARTS CLEANER	N / A	SOLVENT NAPHTHA
201	MAINLINE FUEL HEATER 1	37.080 MMBTU / HR	
		269.000 Gal / HR	#2 Oil
		36.000 MCF / HR	Natural Gas
202	MAINLINE FUEL HEATER 2	37.080 MMBTU / HR	
		269.000 Gal / HR	#2 Oil
		36.000 MCF / HR	Natural Gas
203	MAINLINE FUEL HEATER 3	37.080 MMBTU / HR	
		269.000 Gal / HR	#2 Oil
		36.000 MCF / HR	Natural Gas
204	MAINTENANCE HEATER	18.080 MMBTU / HR	
		137.000 Gal / HR	#2 Oil
FML01	NATURAL GAS PIPELINE		
FML02	168,000-GAL NO. 2 FUEL OIL ABOVEGROUND STORAGE TANK (AST)		
FML03	5,000-GAL PROPANE ASTS (2; V-1, V-2)		
S01A	MAINLINE FUEL HEATER 1 STACK A		
S01B	MAINLINE FUEL HEATER 1 STACK B		
S02A	MAINLINE FUEL HEATER 2 STACK A		
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PERMIT MAPS



PERMIT MAPS



SECTION B. General State Only 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 in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

(a) 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.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating 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.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]

Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.

(c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

(d) 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.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) 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 as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

(a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

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(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension, modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and 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 a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

Inspection and Entry.

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

(1) Enter at reasonable times upon the permittee's premises where a 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, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any 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, any 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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(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.

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#007 [25 Pa. Code §§ 127.441 & 127.444]

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one 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 for the source is 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 State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

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(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. 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.

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air

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Act unless precluded by the Clean Air Act, the regulations thereunder 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, the regulations thereunder or 25 Pa. Code Article III.

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

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

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

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility 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.

(e) 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 (c)(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 this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(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, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making 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.

#014 [25 Pa. Code § 127.3]

[Operational Flexibility.](#)

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined

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in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (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 modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]

Reactivation

- (a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).
- (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).

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

- (a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].
- (b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]

Circumvention.

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]

Reporting Requirements.

- (a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

SECTION B. General State Only Requirements

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) 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 in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]

Recordkeeping.

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

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

(b) The permittee shall retain records of any 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

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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.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than 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 Condition # 009(a) - (e), Section C, of this permit.
- (g) Sources and classes of sources, other than those identified 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 source, 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.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

No person may permit fugitive particulate matter (PM) to be emitted into the outdoor atmosphere from a source specified in Condition # 002(a) - (g), Section C, of this permit, if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]

Limitations

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]

Limitations

No person may permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

SECTION C. Site Level Requirements

006 [25 Pa. Code §123.42]

Exceptions

The emission restrictions specified in Condition # 005(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 sources specified in Condition # 002(a) - (g), Section C, of this permit.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NO_x) from this facility occurs in such a manner that the rate of the emission does not exceed 22.9 tons/yr, calculated monthly as a twelve (12)-month rolling sum.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that emission into the outdoor atmosphere of sulfur oxides (SO_x) from this facility occurs in such a manner that the rate of the emission does not exceed 21.7 tons/yr, calculated monthly as a 12-month rolling sum.

009 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material except 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) Any 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 solely for recreational or ceremonial purposes.
- (e) A fire set solely for cooking food.

Throughput Restriction(s).

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the total amounts of natural gas and No. 2 fuel oil consumed at this facility comply with the following equation:

$$[NG] + \{0.1323 \times [\text{No. 2}]\} < 279.2$$

Where:

NG = The amount of natural gas (mmcf) consumed on a 12-month rolling basis.

No. 2 = The amount of No. 2 fuel oil (mgals) consumed on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

011 [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 G, 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, Article III, the permittee shall be required to perform whatever test(s) is

SECTION C. Site Level Requirements

deemed necessary by the Department to determine the actual emission rate(s).

(b) Any test(s) required in (a), above, shall be performed in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

012 [25 Pa. Code §123.43]

Measuring techniques

Visible air contaminant emissions may be measured 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.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) Odors, which the Department may determine to be objectionable.
- (2) Visible air contaminant emissions.
- (3) Fugitive air contaminant emissions.

(b) All detectable objectionable odors that originate on-site and cross the property line, as well as visible and/or fugitive air contaminant emissions that originate on-site, shall:

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Be recorded in a permanent written log.

(c) After 6 months of weekly monitoring, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(d) The Department reserves the right to change the above monitoring requirements at any time, based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(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 Section C, of this permit. The record of deviations shall contain, at a minimum, the following items for each incident:

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).

SECTION C. Site Level Requirements

(3) 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.

015 [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:

(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.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records, reports, and analysis results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with Condition # 020(b), Section B, of this permit, and shall be made available to the Department upon written or verbal request within a reasonable time.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the sulfur content for each shipment of No. 2 fuel oil received for this facility, obtained either by laboratory analysis or from the fuel supplier's certification.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following emissions from this facility on a monthly and 12-month rolling basis, calculated using Department-approved methods:

(a) The carbon monoxide (CO) emissions.

(b) The NO_x emissions.

(c) The PM emissions.

(d) The SO_x emissions.

(e) The volatile organic compound (VOC) emissions.

V. REPORTING REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction(s) of a source(s) and/or associated air pollution control device(s) listed in Sections A or G, of this permit, which results in, or may possibly result in, 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, Article III.

SECTION C. Site Level Requirements

- (b) Any malfunction(s) that occurs at this facility, and poses an imminent danger to public health, safety, welfare, and the environment, or would violate permit conditions if the source(s) and/or associated air pollution control device(s) were to continue to operate after the malfunction(s), shall immediately be reported to the Department by telephone at the above number.
- (c) A written report shall be submitted to the Department within 2 working days following the notification of the incident, and shall describe, at a minimum, the following:
- (1) The malfunction(s).
 - (2) The source(s) and/or associated air pollution control device(s) and location(s).
 - (3) The starting and ending date(s) and time(s).
 - (4) The cause(s).
 - (5) The emission(s).
 - (6) Any corrective action(s) taken.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 68.]

- (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 C.F.R. 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 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the EPA 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 in 40 C.F.R. § 68.130.
 - (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 C.F.R. § 68.190.
 - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 C.F.R. Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this condition, the term "process" shall be as defined in 40 C.F.R. § 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.

SECTION C. Site Level Requirements

(d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a).

(2) Certify that the facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.

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

(f) When the facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

021 [25 Pa. Code §135.3]

Reporting

(a) The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from each previously-reported source(s), a new source(s) which was first operated during the preceding calendar year, and each source(s) modified during the same period that was not previously reported, including any source(s) listed in Section G, of this permit.

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

VI. WORK PRACTICE REQUIREMENTS.

022 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent PM from any source specified in Condition # 002(a) - (g), Section C, of this permit, from becoming airborne. These actions shall include, but not be limited 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 or streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

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

SECTION C. Site Level Requirements

024 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 G, 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, Article III.

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not modify any air contaminant system identified in Sections A or G, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition # 013(g), Section B, of this permit.

026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the following emissions from the facility on a monthly and 12-month rolling basis, using Department-approved methods:

- (a) The CO emissions.
- (b) The NO_x emissions.
- (c) The PM emissions.
- (d) The SO_x emissions.
- (e) The VOC emissions.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: COLD PARTS CLEANER

Source Capacity / Throughput:

N / A

SOLVENT NAPHTHA

PROC
101STAC
Z01**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the following for this cold parts cleaner on a monthly and 12-month rolling basis:

- (a) The amount of solvent added.
- (b) The amount of solvent recycled.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall maintain records of the following for this cold parts cleaner on a monthly and 12-month rolling basis:

- (a) The amount of solvent added.
- (b) The amount of solvent recycled.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

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

- (1) The type of solvent used, including the product or vendor identification number.
- (2) The name and address of the solvent supplier.
- (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, CPDSs, MSDSs, or other appropriate documentation acceptable to the Department to demonstrate compliance with (a)(1) - (3), above.

004 [25 Pa. Code §127.441]

SECTION D. Source Level Requirements

Operating permit terms and conditions.

The permittee shall maintain records of the VOC emissions from this cold parts cleaner 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 (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that the solvent used in this cold parts cleaner has a vapor pressure of less than 1.0 mm Hg and / or contains less than 5% VOC, by weight, measured at 20 °C (68 °F).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall ensure that this cold parts cleaner 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.

(b) The permittee shall ensure that all solvent used in the cold parts cleaner immediately drains into the solvent storage reservoir.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that this cold parts cleaner 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.

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

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

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

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

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that this cold parts cleaner has a permanent, conspicuous label summarizing the operating

SECTION D. Source Level Requirements

requirements indicated in Condition # 007, Section D (under Source ID 101), of this permit. In addition, the label shall include the following discretionary good operating practices:

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

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

(c) Work area fans should be located and positioned so that they do not blow across the openings of the parts cleaner.

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall calculate the VOC emissions from this cold parts cleaner on a monthly and 12-month rolling basis, using a Department-approved method.

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

This source consists of a cold parts cleaner, model type Dyna Brute, manufactured by Zep Manufacturing Co. The cold parts cleaner has a solvent storage capacity of 35 gallons.

SECTION D. Source Level Requirements

Source ID: 201

Source Name: MAINLINE FUEL HEATER 1

Source Capacity / Throughput:

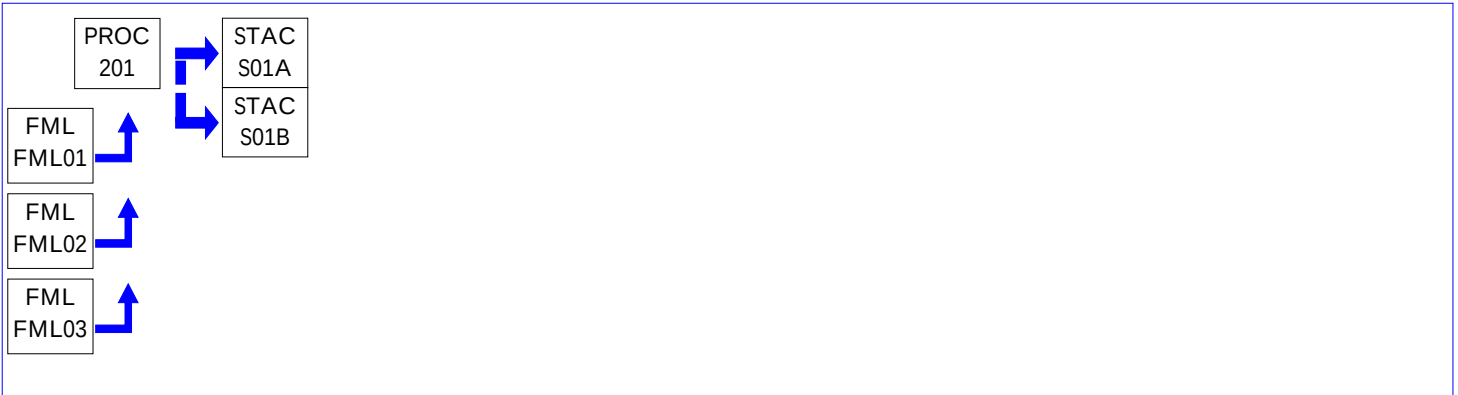
37.080 MMBTU / HR

269.000 Gal / HR

#2 Oil

36.000 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 also derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this mainline fuel heater occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.02 grains per dry standard cubic foot (gr / dscf).

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13(c).]

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that natural gas and No. 2 fuel oil are the only fuels consumed by this mainline fuel heater. The sulfur content of the No. 2 fuel oil shall not, at any time, exceed 0.2% (by weight).

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

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12) - (15).

(b) The testing requirements in (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the weight percent of sulfur in the fuel, is obtained each time a fuel oil delivery is made.

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for this mainline fuel heater on an operating day basis:

- (a) The hours of operation.
- (b) The amount of natural gas (mcf) consumed.
- (c) The amount of No. 2 fuel oil (gallons) consumed.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this mainline fuel heater:

- (a) The starting and ending date(s) and times of each operating cycle.
- (b) The hours of operation, on a monthly and 12-month rolling basis.
- (c) The amount of natural gas (mcf or mmcf) consumed on a monthly and 12-month rolling basis.
- (d) The amount of No. 2 fuel oil (gallons or mgals) consumed on a monthly and 12-month rolling basis.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from this mainline fuel heater on a monthly and 12-month rolling basis, calculated using the emission factors specified in Condition # 007, Section D (under Source ID 201), of this permit:

- (a) The CO emissions.
- (b) The NO_x emissions.
- (c) The PM emissions.
- (d) The SO_x emissions.
- (e) The VOC emissions.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall use the following emission factors to calculate the emissions indicated in Condition # 006(a) - (e), Section D (under Source ID 201), of this permit:

Pollutant	lbs / mmcf (Natural Gas)	lbs / mgal (No. 2 Fuel Oil)
CO	86.3	4.74
NOx	164	21.7
PM	3.8	1.4
SOx	2	13.2
VOCs	4.4	0.03

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

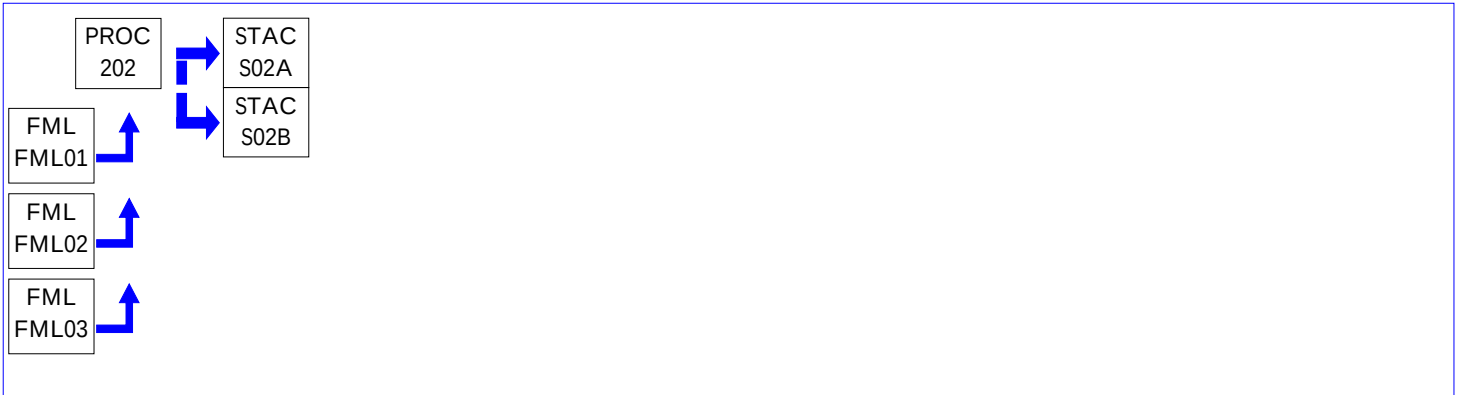
This source consists of a natural gas- and No. 2 fuel oil-fired mainline fuel heater, job no. 061, manufactured by Radco, Inc. While the mainline fuel heater is equipped with four (4) burners, each rated at 10.565 mmBtu/hr heat input, the mainline fuel heater is rated at 37.08 mmBtu/hr heat input when consuming natural gas and 35.51 mmBtu/hr heat input when consuming No. 2 fuel oil. The burner pilot lights are fueled by propane.

SECTION D. Source Level Requirements

Source ID: 202

Source Name: MAINLINE FUEL HEATER 2

Source Capacity / Throughput: 37.080 MMBTU / HR
269.000 Gal / HR #2 Oil
36.000 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 also derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this mainline fuel heater occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.02 gr / dscf.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13(c).]

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that natural gas and No. 2 fuel oil are the only fuels consumed by this mainline fuel heater. The sulfur content of the No. 2 fuel oil shall not, at any time, exceed 0.2% (by weight).

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

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12) - (15).

(b) The testing requirements in (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the weight percent of sulfur in the fuel, is obtained each time a fuel oil delivery is made.

SECTION D. Source Level Requirements**III. MONITORING REQUIREMENTS.**

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for this mainline fuel heater on an operating day basis:

- (a) The hours of operation.
- (b) The amount of natural gas (mcf) consumed.
- (c) The amount of No. 2 fuel oil (gallons) consumed.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this mainline fuel heater:

- (a) The starting and ending date(s) and times of each operating cycle.
- (b) The hours of operation, on a monthly and 12-month rolling basis.
- (c) The amount of natural gas (mcf or mmcf) consumed on a monthly and 12-month rolling basis.
- (d) The amount of No. 2 fuel oil (gallons or mgals) consumed on a monthly and 12-month rolling basis.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from this mainline fuel heater on a monthly and 12-month rolling basis, calculated using the emission factors specified in Condition # 007, Section D (under Source ID 202), of this permit:

- (a) The CO emissions.
- (b) The NO_x emissions.
- (c) The PM emissions.
- (d) The SO_x emissions.
- (e) The VOC emissions.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall use the following emission factors to calculate the emissions indicated in Condition # 006(a) - (e), Section D (under Source ID 202), of this permit:

Pollutant	lbs / mmcf (Natural Gas)	lbs / mgal (No. 2 Fuel Oil)
CO	86.3	4.74
NOx	164	21.7
PM	3.8	1.4
SOx	2	13.2
VOC	4.4	0.03

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

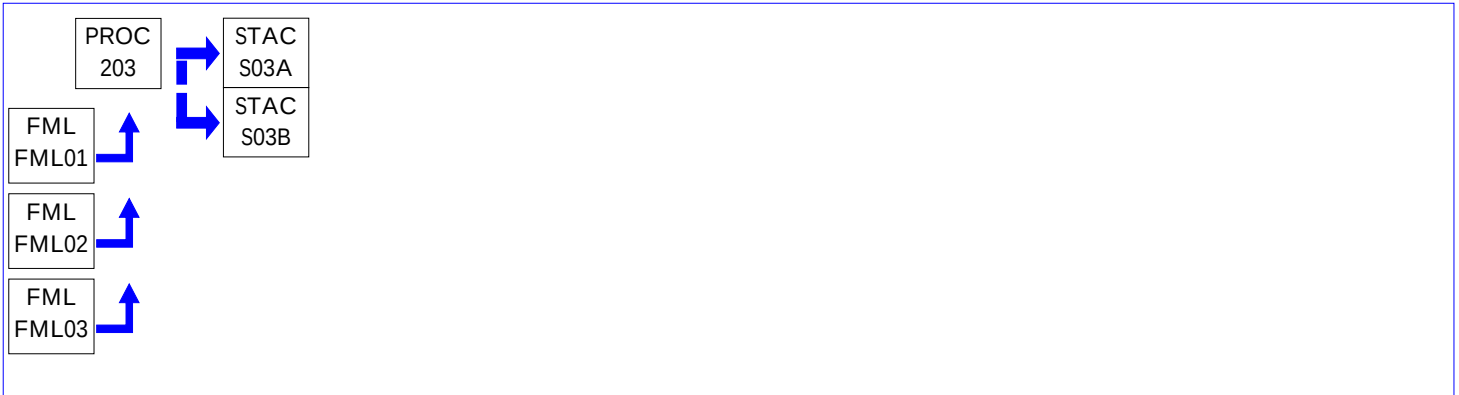
This source consists of a natural gas- and No. 2 fuel oil-fired mainline fuel heater, job no. 062, manufactured by Radco, Inc. While the mainline fuel heater is equipped with 4 burners, each rated at 10.565 mmBtu/hr heat input, the mainline fuel heater is rated at 37.08 mmBtu/hr heat input when consuming natural gas and 35.51 mmBtu/hr heat input when consuming No. 2 fuel oil. The burner pilot lights are fueled by propane.

SECTION D. Source Level Requirements

Source ID: 203

Source Name: MAINLINE FUEL HEATER 3

Source Capacity / Throughput: 37.080 MMBTU / HR
269.000 Gal / HR #2 Oil
36.000 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 also derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this mainline fuel heater occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.02 gr / dscf.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13(c).]

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that natural gas and No. 2 fuel oil are the only fuels consumed by this mainline fuel heater. The sulfur content of the No. 2 fuel oil shall not, at any time, exceed 0.2% (by weight).

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

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12) - (15).

(b) The testing requirements in (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the weight percent of sulfur in the fuel, is obtained each time a fuel oil delivery is made.

SECTION D. Source Level Requirements**III. MONITORING REQUIREMENTS.**

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for this mainline fuel heater on an operating day basis:

- (a) The hours of operation.
- (b) The amount of natural gas (mcf) consumed.
- (c) The amount of No. 2 fuel oil (gallons) consumed.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this mainline fuel heater:

- (a) The starting and ending date(s) and times of each operating cycle.
- (b) The hours of operation, on a monthly and 12-month rolling basis.
- (c) The amount of natural gas (mcf or mmcf) consumed on a monthly and 12-month rolling basis.
- (d) The amount of No. 2 fuel oil (gallons or mgals) consumed on a monthly and 12-month rolling basis.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from this mainline fuel heater on a monthly and 12-month rolling basis, calculated using the emission factors specified in Condition # 007, Section D (under Source ID 203), of this permit:

- (a) The CO emissions.
- (b) The NO_x emissions.
- (c) The PM emissions.
- (d) The SO_x emissions.
- (e) The VOC emissions.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.443(b).]

The permittee shall use the following emission factors to calculate the emissions indicated in Condition # 006(a) - (e), Section D (under Source ID 203), of this permit:

Pollutant	lbs / mmcf (Natural Gas)	lbs / mgal (No. 2 Fuel Oil)
CO	86.3	4.74
NOx	164	21.7
PM	3.8	1.4
SOx	2	13.2
VOC	4.4	0.03

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

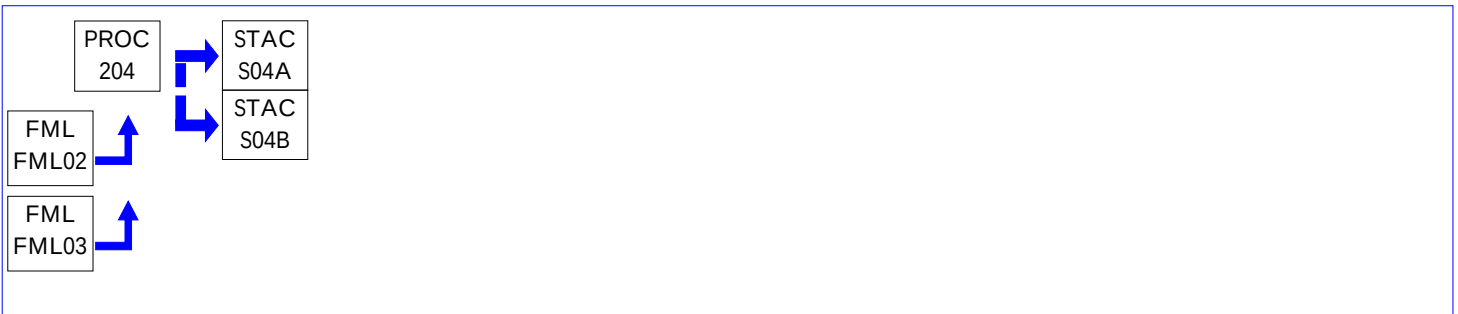
This source consists of a natural gas- and No. 2 fuel oil-fired mainline fuel heater, job no. 063, manufactured by Radco, Inc. While the mainline fuel heater is equipped with 4 burners, each rated at 10.565 mmBtu/hr heat input, the mainline fuel heater is rated at 37.08 mmBtu/hr heat input when consuming natural gas and 35.51 mmBtu/hr heat input when consuming No. 2 fuel oil. The burner pilot lights are fueled by propane.

SECTION D. Source Level Requirements

Source ID: 204

Source Name: MAINTENANCE HEATER

Source Capacity / Throughput: 18.080 MMBTU / HR
137.000 Gal / HR #2 Oil



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The permittee shall ensure that emission into the outdoor atmosphere of PM from this maintenance heater 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.

The permittee shall ensure that No. 2 fuel oil is the only fuel used in the operation of this maintenance heater. The sulfur content of the No. 2 fuel oil shall not, at any time, exceed 0.2% (by weight).

[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.

The permittee shall ensure that the amount of No. 2 fuel oil consumed by this maintenance heater does not exceed 700,000 gals / yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12) - (15).

(b) The testing requirements in (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the weight percent of sulfur in the fuel, is obtained each time a fuel oil delivery is made.

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following operating parameters for this maintenance heater on an operating day basis:

- (a) The hours of operation.
- (b) The amount of No. 2 fuel oil (gallons) consumed.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following operating parameters for this maintenance heater:

- (a) The starting and ending date(s) and times of each operating cycle.
- (b) The hours of operation, on a monthly and 12-month rolling basis.
- (c) The amount of No. 2 fuel oil (gallons) consumed on a monthly and 12-month rolling basis.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following emissions from this maintenance heater on a monthly and 12-month rolling basis, calculated using the emission factors specified in Condition # 008, Section D (under Source ID 204), of this permit:

- (a) The CO emissions.
- (b) The NOx emissions.
- (c) The PM emissions.
- (d) The SOx emissions.
- (e) The VOC emissions.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use the following emission factors for this maintenance heater to calculate the emissions indicated in Condition # 007(a) - (e), Section D (under Source ID 204), of this permit:

Pollutant	lbs/ mgal (No. 2 Fuel Oil)
CO	4.74

**SECTION D. Source Level Requirements**

NOx	21.7
PM	1.4
SOx	13.2
VOC	0.03

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a No. 2 fuel oil-fired maintenance heater, job no. 064, manufactured by Radco, Inc. The maintenance heater is rated at 18.08 mmBtu/hr heat input.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description	
201	MAINLINE FUEL HEATER 1	
Emission Limit		Pollutant
0.020	gr / DRY FT3	TSP
202	MAINLINE FUEL HEATER 2	
Emission Limit		Pollutant
0.020	gr / DRY FT3	TSP
203	MAINLINE FUEL HEATER 3	
Emission Limit		Pollutant
0.020	gr / DRY FT3	TSP
204	MAINTENANCE HEATER	
Emission Limit		Pollutant
0.040	gr / DRY FT3	TSP

Site Emission Restriction Summary

Emission Limit		Pollutant
21.700 Tons/Yr	12-Month Rolling Sum, Calculated Monthly	SOX
22.900 Tons/Yr	12-Month Rolling Sum, Calculated Monthly	NOX

SECTION G. Miscellaneous.

(a) The plant address is: 1111 Ridge Road, Linwood, PA 19061.

(b) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

(1) Operating Permit No. 23-312-040.

(2) Plan Approval No. 23-0049.

(c) The following sources have been determined by the Department to be insignificant sources of air emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local regulations, including those indicated in Section C, of this permit:

(1) A 168,000-gal No. 2 fuel oil AST (Source ID FML02).

(2) Two 5,000-gal propane ASTs (V-1, V-2) (Source ID FML03).

(3) A 3,200-gal Therminol expansion tank (V-3).

(4) A 2,500-gal recycle tank (V-4).

(5) Pumps and valves.

(d) This permit is a renewal of State Only Operating Permit No. 23-00049, originally issued on March 10, 2005 (APS ID 345728, Auth ID 354534), and amended on January 30, 2009 (APS ID 345728, Auth ID 759992). The following is a listing of the changes reflected in this permit (APS ID 345728, Auth ID 806866):

(1) The condition referenced in Condition # 002(f), Section C, of the previously-amended permit (same condition number in this permit), has been corrected to Condition # 009(a) - (e), Section C.

(2) Requirements to maintain records of emission increases resulting from the issuance of a plan approval and subsequent operating permit, and that source reports be submitted in a format specified by the Department and contain sufficient information for the Department to complete its emission inventory, as indicated in Conditions # 015(d) and 021, Section C, of the previously-amended permit, respectively, have been removed.

(3) A requirement to monitor the VOC emissions from the cold parts cleaner on a monthly and 12-month rolling basis, as indicated in Condition # 001(c), Section D (under Source ID 101), of the previously-amended permit, has been removed.

(4) Condition # 002(c), Section D (under Source ID 101), of the previously-amended permit, has been moved to Condition # 004, Section D (under Source ID 101), of this permit.

(5) Conditions # 004 and 006, Section D (under Source ID 101), of the previously-amended permit, have been merged into / reorganized as Condition # 006(b) and (a), Section D (under Source ID 101), of this permit, respectively.

(6) All citations to 25 Pa. Code § 129.63, as indicated in Conditions # 005 - 008, Section D (under Source ID 101), of the previously-amended permit, have been changed to additional authority citations in Conditions # 005 - 008, Section D (under Source ID 101), of this permit, respectively (with primary authority citations to 25 Pa. Code § 127.441).

(7) A requirement to calculate the VOC emissions from the cold parts cleaner, on a monthly and 12-month rolling basis, has been added as Condition # 009, Section D (under Source ID 101), of this permit.

(8) Requirements to ensure that SOx emissions from each of the mainline fuel heaters do not exceed 500 ppmv, dry basis, and to monitor the sulfur content of each shipment of No. 2 fuel oil received, as indicated in Conditions # 001 and 006, Section D (under Source IDs 201 - 203), of the previously-amended permit, respectively, have been removed.

(9) Requirements to monitor and maintain records of the type and amount of fuel consumed by the mainline fuel heaters, as indicated in Conditions # 005(b) - (c) and 007(c) - (d), Section D (under Source IDs 201 - 203), of the previously-amended permit,

SECTION G. Miscellaneous.

respectively, have been replaced by requirements to monitor and maintain records of the amounts of natural gas and No. 2 fuel oil consumed (as Conditions # 004(b) - (c) and 005(c) - (d), Section D (under Source IDs 201 - 203), of this permit, respectively).

(10) Streamlining language for 25 Pa. Code § 123.21(b) has been added to Condition # 003, Section D (under Source IDs 201 - 204), of the previously-amended permit (Condition # 002, Section D (under Source IDs 201 - 204), of this permit).

(11) Condition # 009, Section D (under Source IDs 201 - 203), of the previously-amended permit, and Condition # 010, Section D (under Source ID 204), of the previously-amended permit, have been moved to Condition # 017, Section C, of this permit.

(12) A requirement to ensure that SOx emissions from the maintenance heater do not exceed 500 ppmv, dry basis, as indicated in Condition # 002, Section D (under Source ID 204), of the previously-amended permit, has been removed.

(13) The SOx emission restrictions for the mainline fuel heaters (Source IDs 201 - 203) and maintenance heater (Source ID 204) in Section F, of the previously-amended permit, have been removed.



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