



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

**STATE ONLY OPERATING PERMIT**

Issue Date: March 2, 2020

Effective Date: March 2, 2020

Expiration Date: March 2, 2025

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: 15-00114**

Federal Tax Id - Plant Code: 23-1346174-1

**Owner Information**

Name: ACTION MFG CO  
Mailing Address: 500 BAILEY CROSSROADS RD  
ATGLEN, PA 19310-1623

**Plant Information**

Plant: ACTION MFG CO/ATGLEN  
Location: 15 Chester County 15962 West Fallowfield Township  
SIC Code: 3483 Manufacturing - Ammunition, Except For Small Arms, Nec

**Responsible Official**

Name: SEAN GIBBS  
Title: PRESIDENT/CEO  
Phone: (215) 278 - 4001 Ext.310

**Permit Contact Person**

Name: KYLER IORIO  
Title: MGR ENV/SFTY COMPLIANCE  
Phone: (215) 278 - 4001 Ext.415

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



## SECTION A. Table of Contents

### Section A. Facility/Source Identification

Table of Contents  
Site Inventory List

### Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.
- #023 Reporting
- #024 Report Format

### Section C. Site Level State Only Requirements

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

### Section D. Source Level State Only Requirements

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

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

### Section E. Alternative Operating Scenario(s)

- E-I: Restrictions



## **SECTION A. Table of Contents**

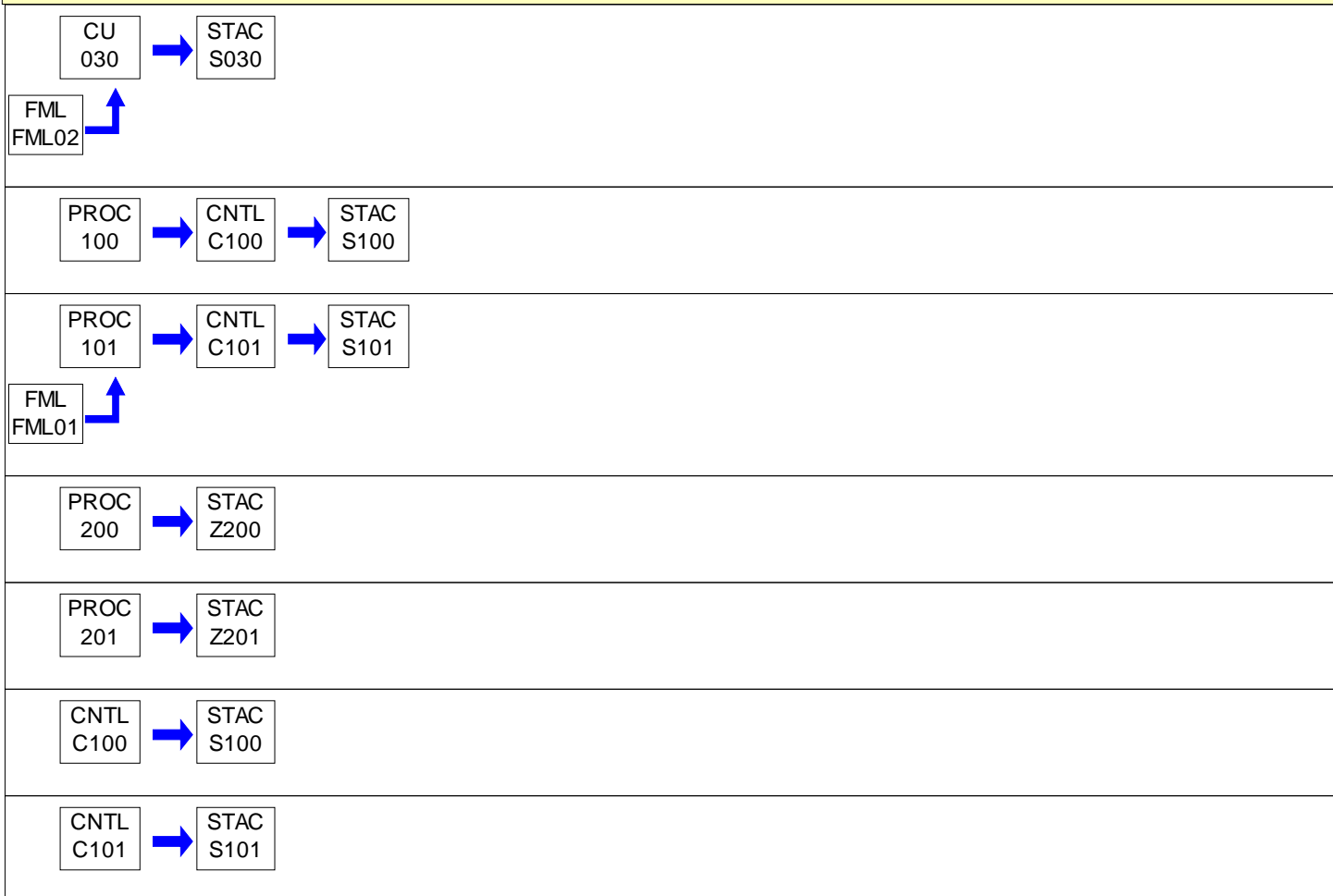
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

## **Section F. Emission Restriction Summary**

## **Section G. Miscellaneous**

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
030	MISC COMBUSTION SOURCES	2.210 MMBTU/HR	
		16.370 Gal/HR	DIESEL FUEL
100	EIGHT (8) DETONATOR TEST CHAMBERS	N/A	DETONATORS
101	THERMAL TREATMENT UNIT	1,500.000 Each/HR	ENERGETIC WASTE STR
		2.830 Gal/HR	PROPANE
200	PARTS WASHERS	N/A	
201	ETHYL ALCOHOL	N/A	ETHYL ALCOHOL
C100	AIROMAX FILTRATION SYSTEM	N/A	DETONATORS
C101	TRIPLE FILTRATION SYSTEM	N/A	ENERGETIC WASTE STR
FML01	PROPANE TANK		
FML02	NO. 2 FUEL OIL		
S030	MISC COMBUSTION STACKS		
S100	DETONATOR TEST CHAMBER STACKS		
S101	THERMAL THREATMENT UNIT STACK		
Z200	PARTS WASHERS - FUGITIVE		
Z201	ETHYL ALCOHOL - FUGITIVE		

**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.
  - (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,

**SECTION B. General State Only Requirements**

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.

**#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

**SECTION B. General State Only Requirements**

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.
- (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

**SECTION B. General State Only Requirements**

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<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, 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:



**SECTION B. General State Only Requirements**

- (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 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)

**SECTION B. General State Only Requirements**

(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.

(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

**SECTION B. General State Only Requirements**

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 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 B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, 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 of a Synthetic Minor Facility 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.

**#024 [25 Pa. Code §135.4]****Report Format**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the 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 25 Pa. Code § 129.14;
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting;
- (h) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible emissions in 35 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and
- (i) Sources, and classes of sources, other than those identified in (a) - (h) above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate controls, meet the following requirements:
  - (1) The emissions are of minor significance with respect to causing air pollution; and
  - (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**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002, of this Section, if such emissions are visible at the point the emissions pass outside the person's property.

**# 004 [25 Pa. Code §123.31]****Limitations**

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

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

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 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 limitations of Condition #005, of this Section, shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the sources specified in Condition #002, of this Section.

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

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

- (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 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; or
- (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 Section A, of this Permit, may be in excess of the limitations 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 conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted 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.****# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible 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.

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

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

**SECTION C. Site Level Requirements**

- (1) Odors which may be objectionable (as per 25 Pa. Code § 123.31);
- (2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42); and
- (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site 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); and
- (4) Be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

(d) After six (6) months of weekly monitoring, and 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 compliance certification, complaints, monitoring results, and/or Department findings.

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

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) Date, time, and location of the incident(s).
- (b) The cause of the event.
- (c) The corrective action taken, if necessary to abate the situation and prevent future occurrences.

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

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) De minimis increases without notification to the Department.
- (b) De minimis increases with notification to the Department, via letter.
- (c) Increases resulting from a Request for Determination (RFD) to the Department.
- (d) Increases resulting from the issuance of a plan approval and subsequent operating permit.

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

All records required herein this Operating Permit shall be maintained for a minimum of five years and made readily available to the Department upon request.

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

The permittee shall document any malfunction of the source or associated air cleaning devices which results in, or may possibly be resulting in, the emissions of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department.

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

Copies of all applicable requests, reports, applications, submittals, and other communications, as required in this subpart,

**SECTION C. Site Level Requirements**

shall be submitted to both EPA and the Department. The EPA copies shall be forwarded to:

US EPA, Region III  
Air Protection Division  
1650 Arch Street  
Philadelphia, PA 19103-2029

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

[Additional authority for this permit condition is also derived from 40 CFR Part 68]

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release [25 Pa. Code § 127.441(d) and 40 CFR Part 68] 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 threshold quantity at a 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 40 CFR § 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 this 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 this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this 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 this 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 an annual Compliance Certification



**SECTION C. Site Level Requirements**

submission for the previous year indicating compliance with the requirements of the terms and conditions of this permit, and the requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68. The certification shall include:

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

(g) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance of this permit.

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

(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 preventive 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 and the County Emergency Management Agency by telephone within one (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 three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone 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 five (5) business days of discovery. The report shall contain the same information required by paragraph (c), 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 paragraphs (b)-(d), 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 resulted from 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.

**VI. WORK PRACTICE REQUIREMENTS.****# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in Condition #002 of this Section, shall take all reasonable actions to



## SECTION C. Site Level Requirements

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

### # 019 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

The permittee shall ensure that the sources and air pollution control devices, 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 manufacturer's specifications.

### # 020 [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), of Section B, of this permit.

## 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**

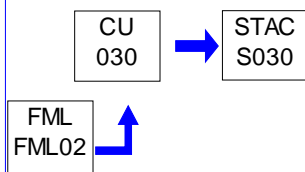
Source ID: 030

Source Name: MISC COMBUSTION SOURCES

Source Capacity/Throughput: 2.210 MMBTU/HR

16.370 Gal/HR

DIESEL FUEL

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from the combustion sources identified under Source ID 030, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11196]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my compliance dates?**

(a) The permittee must achieve compliance with the following applicable provision: If the existing affected boiler is subject to a work practice or management practice standard of a tune-up, the permittee must achieve compliance with the work practice or management practice standard no later than March 21, 2014.

(b) If the permittee starts up a new affected source on or before May 20, 2011, the permittee must achieve compliance with the provisions of this subpart no later than May 20, 2011.

(c) If the permittee starts up a new affected source after May 20, 2011, the permittee must achieve compliance with the provisions of this subpart upon startup of the affected source.

**Fuel Restriction(s).****# 003 [25 Pa. Code §123.22]****Combustion units**

(a) Up until June 30, 2016, the sulfur content shall not exceed 0.3% by weight. Starting July 1, 2016, the sulfur content shall not exceed 0.05% by weight.

(b) Commercial fuel oil that was stored in this Commonwealth by the ultimate consumer prior to July 1, 2016, which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in paragraph (a), above, at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §123.22]****Combustion units**

(a) For the purpose of determining compliance with the applicable fuel sulfur content requirements, the actual sulfur content of commercial fuel oil shall be determined by one of the following:

(1) In accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil).

(2) Other methods developed or approved by the Department or the Administrator of the EPA, or both.

**SECTION D. Source Level Requirements**

(b) Beginning July 1, 2016, a refinery owner or operator who produces commercial fuel oil intended for use or used in this Commonwealth is required to sample, test and calculate the actual sulfur content of each batch of the commercial fuel oil as specified in paragraph (a), above.

(c) Beginning July 1, 2016, and prior to offering for sale, delivering for use, exchanging in trade or permitting the use of commercial fuel oil in this Commonwealth, a person other than the ultimate consumer that accepts a shipment of commercial fuel oil from a refinery or other transferor, shall sample, test and calculate the actual sulfur content of the commercial fuel oil in accordance with paragraph (a), above, if the shipment lacks the records required under 25 Pa. Code § 123.22(g)(1) that enables the transferee to determine if the sulfur content of the shipment of commercial fuel oil meets the applicable maximum allowable sulfur content.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 139.16]

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

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.
- (2) Test methods and procedures for the determination of sulfur shall be those approved by the Department.
- (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §123.22]****Combustion units**

(a) Beginning with the refinery owner or operator who sells or transfers commercial fuel oil into or within this Commonwealth for use in this Commonwealth and ending with the ultimate consumer, each time the physical custody of, or title to, a shipment of commercial fuel oil changes hands on or after July 1, 2016, the transferor shall provide to the transferee an electronic or paper record described in this paragraph. This record must legibly and conspicuously contain the following information:

- (1) The date of the sale or transfer.
- (2) The name and address of the transferor.
- (3) The name and address of the transferee.
- (4) The volume of commercial fuel oil being sold or transferred.
- (5) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1), expressed as one of the following statements:
  - (i) For a shipment of No. 2 and lighter commercial fuel oil, "The sulfur content of this shipment is 500 ppm or below."

**SECTION D. Source Level Requirements**

(ii) For a shipment of No. 4 commercial fuel oil, "The sulfur content of this shipment is 2,500 ppm or below."

(iii) For a shipment of No. 5, No. 6 and heavier commercial fuel oil, "The sulfur content of this shipment is 5,000 ppm or below."

(6) The location of the commercial fuel oil at the time of transfer.

(7) Except for a transfer to a truck carrier, an owner or operator of a retail outlet or an ultimate consumer, the transferor may substitute the information required under subparagraphs (a)(1)—(6) with the use of a product code if the following are met:

(i) The product code includes the information required under subparagraphs (a)(1)—(6).

(ii) The product code is standardized throughout the distribution system in which it is used.

(iii) Each downstream party is given sufficient information to know the full meaning of the product code.

(b) The terminal owner or operator shall do both of the following:

(1) Maintain, in electronic or paper format, the applicable records developed under 25 Pa. Code § 123.22(f)(3) or § 123.22(g)(1), or both, to establish the maximum sulfur content of the shipment of commercial fuel oil.

(2) Provide electronic or written copies of the records establishing the maximum sulfur content of the shipment of commercial fuel oil to the Department upon request.

(c) A person subject to this section shall do both of the following:

(1) Maintain the applicable records required under paragraphs (a) and (b), above, in electronic or paper format for 5 years, as per 25 Pa. Code § 127.511(b)(2) (relating to monitoring and related recordkeeping and reporting requirements).

(2) Provide an electronic or written copy of the applicable record to the Department upon request.

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

(a) The permittee shall maintain all records of purchases of fuel used by sources covered under Source ID 030.

(b) Fuel purchase records shall be maintained on site and made readily available upon the Department's request.

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

The permittee shall keep a record of either the supplier certifications for the No. 2 fuel oil or the results of any analysis that was performed on the No. 2 fuel oil for each delivery of No. 2 fuel oil made to the facility.

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

[Additional authority for this permit condition is also derived from 40 CFR § 63.11225]

Records must be in a form suitable and readily available for expeditious review. The permittee must keep each record for 5 years following the date of each recorded action. The permittee must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The permittee may keep the records off site for the remaining 3 years.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

**SECTION D. Source Level Requirements**

The permittee shall maintain the following records:

- (a) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee shall keep a copy of each notification and report that is submitted to comply with 40 CFR Part 63, Subpart JJJJJJ, and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted.
- (b) The permittee shall keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR §§ 63.11214 and 63.11223 as specified in paragraphs (b)(1) and (b)(2) of this condition:
- (1) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
  - (2) For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR § 241.3(b)(1), the permittee shall keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR § 241.3(d)(1). If the permittee combusts a fuel that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR § 241.3(b)(4), the permittee must keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR § 241.2 and each of the legitimacy criteria in 40 CFR § 241.3(d)(1). If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR § 241.3(c), the permittee must keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per 40 CFR § 241.4, the permittee must keep records documenting that the material is a listed non-waste under 40 CFR § 241.4(a).
- (c) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
- (d) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

**V. REPORTING REQUIREMENTS.**

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Copies of all documents and reports submitted to the EPA shall be submitted to the DEP.

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**What are my notification, reporting, and recordkeeping requirements?**

The permittee must prepare, by March 1 of the year after the calendar year during which a tune-up is completed, and submit to the EPA upon request, an annual compliance certification report that contains the information specified in paragraphs (a) and (b) of this condition.

(a) Company name and address.

(b) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJJ. The notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(1) "This facility complies with the requirements in 40 CFR § 63.11223 to conduct a 5-year tune-up, as applicable, of each boiler."

(2) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act:

**SECTION D. Source Level Requirements**

"No secondary materials that are solid waste were combusted in any affected unit."

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11214]

The permittee shall submit the notifications specified in paragraphs (a) through (c) of this condition to the EPA.

(a) The permittee must submit all of the notifications in §§ 63.9(b) through (e), (g), and (h) that apply by the dates specified in those sections except as specified in paragraphs (b) and (c) of this condition.

(b) An Initial Notification must be submitted no later than January 20, 2014 or within 120 days after the source becomes subject to the standard.

(c) The permittee shall submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in 40 CFR § 63.11196. The permittee must submit the Notification of Compliance Status in accordance with paragraphs (c)(1) and (3) of this condition. The Notification of Compliance Status must include the information and certification(s) of compliance in paragraphs (c)(1) and (2) of this condition, as applicable, and signed by a responsible official.

(1) You must submit the information required in 40 CFR § 63.9(h)(2), except the information listed in 40 CFR §§ 63.9(h)(2)(i)(B), (D), (E), and (F).

(2) "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler."

(3) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to 40 CFR Part 63, Subpart JJJJJJ is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the EPA at the appropriate address listed in 40 CFR § 63.13.

**VI. WORK PRACTICE REQUIREMENTS.****# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my general requirements for complying with this subpart?**

At all times the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by 40 CFR Part 63, Subpart JJJJJJ, have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the EPA that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11210]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my initial compliance requirements and by what date must I conduct them?**

(a) For existing affected boilers that have applicable work practice standards, management practices, or emission reduction measures, the permittee must demonstrate initial compliance no later than the compliance date that is specified in 40 CFR § 63.11196 and according to the applicable provisions in 40 CFR § 63.7(a)(2), except as provided in paragraph

**SECTION D. Source Level Requirements**

(c) of this condition.

(b) For new or reconstructed affected boilers that have applicable work practice standards or management practices, the permittee is not required to complete an initial performance tune-up, but the permittee is required to complete the applicable 5-year tune-up as specified in 40 CFR § 63.11223 no later than 61 months after the initial startup of the new or reconstructed affected source.

(c) For existing affected boilers that have not operated between the effective date of the rule and the compliance date that is specified for the source in 40 CFR § 63.11196, the permittee must complete the initial performance tune-up by following the procedures described in 40 CFR § 63.11223(b) no later than 30 days after the re-start of the affected boiler.

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]**

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**How do I demonstrate continuous compliance with the work practice and management practice standards?**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11214]

(a) For affected sources subject to the work practice standard or the management practices of a tune-up, the permittee must conduct a performance tune-up according to paragraph (b) of this condition to demonstrate continuous compliance. The permittee must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

(b) Oil-fired boilers with a heat input capacity of equal to or less than 5 million Btu per hour must conduct a tune-up every 5 years as specified in 40 CFR §§ 63.11223(b)(1) through (7). Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed oil-fired boiler with a heat input capacity of equal to or less than 5 million Btu per hour, the first 5-year tune-up must be no later than 61 months after the initial startup. You may delay the burner inspection specified in 40 CFR § 63.11223(b)(1) and inspection of the system controlling the air-to-fuel ratio specified in 40 CFR § 63.11223(b)(3) until the next scheduled unit shutdown, but the permittee must inspect each burner and system controlling the air-to-fuel ratio at least once every 72 months.

**VII. ADDITIONAL REQUIREMENTS.**

**# 017 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID 030 consists of the following sources:

- |                                   |               |
|-----------------------------------|---------------|
| (a) Bldg. 1 - Rheem Boiler        | 0.14 MMBtu/Hr |
| (b) Bldg. 2 - Lenox Boiler        | 0.17 MMBtu/Hr |
| (c) Bldg. 6 - Burnham Boiler      | 0.31 MMBtu/Hr |
| (d) Bldg. 18 - Weil Mclain Boiler | 0.12 MMBtu/Hr |
| (e) Bldg. 55 - Crown Boiler       | 0.59 MMBtu/Hr |



**SECTION D. Source Level Requirements**

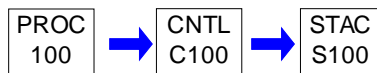
Source ID: 100

Source Name: EIGHT (8) DETONATOR TEST CHAMBERS

Source Capacity/Throughput:

N/A

DETONATORS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.411]****Content of applications.**

[Additional authority for this permit condition is also derived from 25 Pa. Code 123.1]

The storage and handling of material collected from the Eight (8) Detonator Test Chambers shall not result in any fugitive air contaminants to be emitted to the outdoor atmosphere.

**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.****# 002 [25 Pa. Code §127.411]****Content of applications.**

The following shall be monitored daily and on a monthly basis from the Eight (8) Detonator Chambers:

- (a) Type and amount of detonators charged into the Eight (8) Detonator Chambers
- (b) Hours of operation

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.411]****Content of applications.**

(a) The following shall be recorded daily and on a monthly basis from the Eight (8) Detonator Chambers:

- (1) Type and amount of each type of detonators charged into the Eight (8) Detonator Chambers
- (2) Hours of operation

(b) The permittee shall maintain records of the type of detonators charged into the Eight (8) Detonator Chambers. The records shall include the following for each type of detonator tested:

- (1) Nitrogen content;
- (2) Concentration of lead (Pb) and Pb compounds; and,
- (3) Concentration of any other hazardous compounds contained in the detonators, as defined under Section 112(b)(1) of the 1990 Clean Air Act Amendment.

**# 004 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall maintain records of the daily inspections of the Eight (8) Detonator Test Chambers for leaks, spills, fugitive emissions, emergency shutdown controls, and system alarms.

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall keep a record of the type and amount of training that is provided to each operator of the Eight (8) Detonator Test Chambers and the Airomax Filtration System (Source ID C100), including refresher training.

**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.****# 006 [25 Pa. Code §127.411]****Content of applications.**

No more than three of the Eight (8) Detonator Test Chambers shall operate at a time.

**# 007 [25 Pa. Code §127.411]****Content of applications.**

The Eight (8) Detonator Test Chambers shall be inspected daily for leaks, spills, and fugitive emissions, and all emergency shutdown controls and system alarms shall be checked to assure proper operation.

**# 008 [25 Pa. Code §127.411]****Content of applications.**

(a) Emissions from the Eight (8) Detonator Test Chambers shall be controlled by the Airomax Filtration System (Source ID C100).

(b) The permittee shall not use the Eight (8) Detonator Test Chambers until the Airomax Filtration System is on and operating in accordance with the requirements of this Operating Permit.

**# 009 [25 Pa. Code §127.411]****Content of applications.**

(a) In the event of a malfunction of the Eight (8) Detonator Test Chambers and/or their associated equipment, the specific test chambers affected shall not be charged with detonators until the malfunction has been corrected. The permittee shall continue to operate the Airomax Filtration System (C100) during a malfunction of the Eight (8) Detonator Test Chambers and/or their associated equipment.

(b) Appropriate corrections to maintain steady state or other appropriate detonator test chamber conditions must be made immediately either automatically or by the operator.

**# 010 [25 Pa. Code §127.411]****Content of applications.**

(a) The permittee shall provide introductory training to any employee that will be operating the Eight (8) Detonator Test Chambers and the Airomax Filtration System (Source ID C100). The training shall consist of the proper operation and maintenance of the Eight (8) Detonator Test Chambers and the Airomax Filtration System (Source ID C100).

(b) The permittee shall, on a yearly basis or as needed (not to exceed a 1-year period), provide refresher training on the operation and maintenance of the Eight (8) Detonator Test Chambers and the Airomax Filtration System (Source ID C100).

**# 011 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall dispose of ash and any residue resulting from the Eight (8) Detonator Test Chambers in a manner such that it is approved by the Department's Waste Management Program.

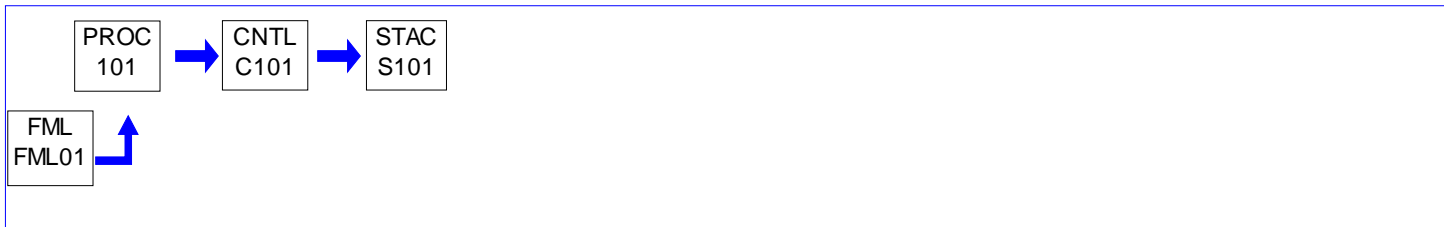
**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 012 [25 Pa. Code §127.411]****Content of applications.**

The Eight (8) Detonator Test Chambers consist of five (5) drop chambers and three (3) electrical chambers.sd

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: THERMAL TREATMENT UNIT

Source Capacity/Throughput: 1,500.000 Each/HR  
2.830 Gal/HRENERGETIC WASTE STREAMS A  
PROPANE**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 123.1]

The storage and handling of material collected from the Thermal Treatment Unit (TTU) shall not result in any fugitive air contaminants to be emitted to the outdoor atmosphere.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The TTU shall only use propane for combustion.

**II. TESTING REQUIREMENTS.**

# 003 [25 Pa. Code §139.3]

**General requirements.**

[Additional authority for this permit condition is also derived from 40 C.F.R Section 265.341]

The permittee shall sufficiently analyze any waste which has not been previously treated in the TTU in order to establish normal operating conditions (including waste and auxiliary fuel feed) and to determine the type of pollutants which might be emitted. At a minimum, the analysis must determine:

(a) Halogen content and sulfur content in the waste.

(b) Concentrations in the waste of lead, mercury, and chromium, unless the company has written and documented data that show that the element is not present.

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the following on a daily and monthly basis, whenever the TTU is operating:

(a) Amount and type of waste being treated in the TTU

(b) Hours of operation of the TTU.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall continuously monitor the amount of dilution air from the TTU to the Triple Filtration System (Source ID C101) whenever the TTU is operating.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The TTU shall be equipped with a device for monitoring the TTU chamber temperature.
- (b) The TTU chamber temperature shall be monitored every 15 minutes.

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

The permittee shall keep a copy of all tests, protocols, and reports generated in conjunction with the TTU and the Triple Filtration System (Source ID C101).

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

The permittee shall keep a record of the type and amount of training that is provided to each operator of the TTU and the Triple Filtration System (Source ID C101), including refresher training.

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

The TTU chamber temperature shall be recorded every 15 minutes.

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

The permittee shall maintain records of the daily inspections of the TTU for leaks, spills, fugitive emissions, emergency shutdown controls, and system alarms.

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

- (a) The permittee shall record the following on a daily and monthly basis, whenever the TTU is operating:
  - (1) Amount and type of waste being treated in the TTU
  - (2) Hours of operation of the TTU.
- (b) The permittee shall maintain records of the type of waste being disposed of in the TTU. The records shall include:
  - (1) Halogen content of the waste;
  - (2) Sulfur content of the waste;
  - (3) Concentration of lead in the waste;
  - (4) Concentration of mercury in the waste;
  - (5) Concentration of barium in the waste;
  - (6) Concentration of antimony in the waste; and,
  - (7) Concentration of hexavalent chromium in the waste.

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

The permittee shall document the dilution air settings associated with the TTU and the Triple Filtration System (Source ID C101). Documentation shall be performed each day that the TTU and Triple Filtration System are operating. If the dilution air setting is changed within a given day, the permittee shall document each setting for which TTU and Triple Filtration System operate at.

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

The permittee shall maintain receipts for all deliveries of propane made to the facility. All deliveries shall state the amount of propane that is delivered.

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 014 [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 270]

The TTU shall not be operated without the permittee having a valid and active Resource Conservation and Recovery Act (RCRA) Permit, approved by the Department and the USEPA.

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

(a) Emissions from the TTU shall be controlled by the Triple Filtration System (Source ID C101).

(b) The permittee shall not dispose of any waste in the TTU until the Triple Filtration System is on and operating in accordance with the requirements of this Operating Permit.

**# 016 [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 264.15]

The TTU shall be inspected daily for leaks, spills, and fugitive emissions, and all emergency shutdown controls and system alarms shall be checked to assure proper operation.

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

(a) The TTU shall be equipped with an interlock device to prevent the TTU from operating until it is at normal conditions of operation, including steady state operating temperature and air flow.

(b) In the event of a malfunction of the TTU and/or its associated equipment, the TTU shall not be charged with any waste until the malfunction has been corrected. The permittee shall continue to operate the Triple Filtration System (C101) during a malfunction of the TTU and/or its associated equipment. In the event of a malfunction of the TTU, the permittee shall also cease heating of waste that is already present in the TTU.

(c) Appropriate corrections to maintain steady state or other appropriate TTU conditions must be made immediately either automatically or by the operator.

**# 018 [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 264.16]

(a) The permittee shall provide introductory training to any employee that will be operating the TTU and the Triple Filtration System (Source ID C101). The training shall consist of the proper operation and maintenance of the TTU and the Triple Filtration System (Source ID C101).

(b) The permittee shall, on a yearly basis or as needed (not to exceed a 1-year period), provide refresher training on the operation and maintenance of the TTU and the Triple Filtration System (Source ID C101).

**# 019 [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 264, Subpart I]

The permittee shall store and manage hazardous waste in a manner such that it is approved by the Department's Waste Management Program.

**SECTION D. Source Level Requirements****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall dispose of ash and any residue resulting from the TTU in a manner such that it is approved by the Department's Waste Management Program.

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

The TTU is a custom made burn vessel used to treat various energetic waste streams and small detonable items.

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

The TTU is subject to the requirements of 40 C.F.R. Parts 260 through 270 (Solid Wastes).

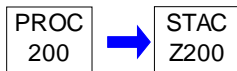
**SECTION D. Source Level Requirements**

Source ID: 200

Source Name: PARTS WASHERS

Source Capacity/Throughput:

N/A

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

(a) If the permittee does not have a Safety Data Sheet (SDS) or Certified Product Data Sheet (CPDS) that contains the VOC and HAP content for solvents being used in the parts washer(s), both by weight and volume, then the permittee shall perform testing to determine the VOC and HAP content.

(b) The VOC and HAP content shall be determined using a Department approved test method(s).

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

(a) The amount of solvent that is added and removed from the parts washer(s) shall be monitored, per each delivery.

(b) The composition of wastes removed from the parts washer(s) shall be monitored on a monthly basis.

(c) The permittee shall monitor emissions of VOC and HAP on a monthly basis.

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

(a) The amount of solvent that is added and removed from the parts washer(s) shall be recorded, per each delivery.

(b) The composition of wastes removed from the parts washer(s) shall be recorded on a monthly basis.

(c) The permittee shall record emissions of VOC and HAP on a monthly basis.

**# 004 [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)]

(a) A person who sells or offers for sale any solvent containing VOC for use in a parts washer shall provide, to the purchaser, the following written information:

(1) The name and address of the solvent supplier.

(2) The type of solvent including the product or vendor identification number.

(3) The vapor pressure of the solvent measured in mm Hg at 20 degrees C (68 degrees F).

(b) The permittee shall maintain for at least two (2) years and shall provide to the Department, on request, the information specified in paragraph (a) above. An invoice, bill of sale, certificate that corresponds to the number of sales, Safety Data Sheet (SDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.



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

No additional reporting requirements exist except as provided in other sections of this permit including Section B (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)]

- (a) Parts washers under Source ID 200 shall only be remote reservoir cold cleaning machines.
- (b) Each parts washer shall be operated in accordance with the following procedures:
  - (1) 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.
  - (2) Flushing of parts using a flexible hose or other flushing device shall be performed only within the parts washer. The solvent spray shall be a solid fluid stream, not a atomized or shower spray.
  - (3) Sponges, fabric, wood, leather, paper products and other absorbent material may not be cleaned in the parts washer.
  - (4) Air agitated solvent baths may not be used.
  - (5) Spills during solvent transfer and use of the parts washer shall be cleaned up immediately.
- (c) Each parts washer shall:
  - (1) Have a permanent conspicuous label summarizing the operating procedures in paragraphs (b)(1) - (b)(5) listed above. In addition, the label shall include the following discretionary good operating practices:
    - (i) Cleaned parts should be drained for at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining tipping, or rotating, the parts should be positioned so that the solvent drains directly back into the parts washer.
    - (ii) 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.
    - (iii) Work area fans should be located and positioned so that they do not blow across the opening of the parts washer.
  - (2) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. In the case of the remote reservoir parts washer, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

**# 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)]

The permittee shall not use any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5 % VOC by weight, measured at 20 degrees C (68 degrees F) containing VOC.

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

The following solvents shall not be used in the parts washer(s):

**SECTION D. Source Level Requirements**

- (a) Methylene chloride (CAS No. 75-09-2)
- (b) Perchloroethylene (CAS No. 127-18-4)
- (c) Trichloroethylene (CAS No. 79-01-6)
- (d) 1,1,1-trichloroethane (CAS No. 71-55-6)
- (e) Carbon tetrachloride (CAS No. 56-23-5)
- (f) Chloroform (CAS No. 67-66-3)
- (g) Any combination of the above halogenated HAP solvents, in concentrations greater than 5.0 percent by weight.

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

Source ID 200 consists of the following parts washers:

- Building #1 Parts Washer
- Building #20 Parts Washer

**SECTION D. Source Level Requirements**

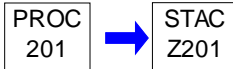
Source ID: 201

Source Name: ETHYL ALCOHOL

Source Capacity/Throughput:

N/A

ETHYL ALCOHOL

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Emissions of VOC from the use of Ethyl Alcohol shall be limited to 4.1 tons per 12-month rolling period.

**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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the following on a monthly basis:

- (a) Amount of ethyl alcohol received onsite;
- (b) Amount of ethyl alcohol waste generated;
- (c) Amount of ethyl alcohol carried over from the previous month;
- (d) Amount of ethyl alcohol lost as fugitive emissions, in pounds or tons.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall record the following on a monthly basis:

- (1) Amount of ethyl alcohol received onsite;
- (2) Amount of ethyl alcohol waste generated;
- (3) Amount of ethyl alcohol carried over from the previous month;
- (4) Amount of ethyl alcohol lost as fugitive emissions, in pounds or tons.

(b) Emissions of VOC (ethyl alcohol) shall be recorded on a monthly basis and as a 12-month rolling sum.

**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.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) New ethyl alcohol shall be stored in sealed drums until used in on-site manufacturing operations.

(b) When ethyl alcohol is used for cleaning work stations, the permittee shall keep containers closed and used rags in closed containers when ethyl alcohol is not being used. All solvent laden shop towels from cleanup operations shall be



## SECTION D. Source Level Requirements

kept in a closed, non-absorbent, non-leaking container when not being used.

(c) Solvent laden water shall be kept in a closed, non-absorbent, non-leaking container, unless it is being processed for recycling. Containers shall be covered with a flexible plastic cover with an outer elastic band "shower cap" to control emissions. Drums shall be covered either with a shower cap or plastic lid to control emissions.

(d) When solvent laden water is being processed for recycling, the process shall be enclosed such that there are no fugitive emissions resulting from the process.

### VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

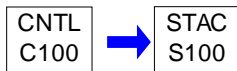
Source ID: C100

Source Name: AIROMAX FILTRATION SYSTEM

Source Capacity/Throughput:

N/A

DETONATORS

**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 123.1]

The storage and handling of material collected from the Airomax Filtration System shall not result in any fugitive air contaminants to be emitted to the outdoor atmosphere.

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

Visible emissions from the Airomax Filtration System stack shall not exceed the following opacity limits:

- (a) 10 percent for a period or periods aggregating more than three minutes in any hour; or,
- (b) 30 percent at any time.

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

(a) Emissions from the Airomax Filtration System shall not exceed the following air contaminant emission limits:

- |   |   |
|---|---|
| (1) Nitrogen Oxides (NO <sub>x</sub> ): | 7.8 tons per year, determined on a 12-month rolling sum |
| (2) Lead (Pb) and Pb compounds:         | 1.2 tons per year, determined on a 12-month rolling sum |
| (3) Particulate Matter (PM):            | 0.02 grain per dry standard cubic foot                  |

(b) The calculated maximum annual concentrations of Pb and Pb compounds from the Airomax Filtration System shall not exceed 1.5 micrograms per cubic meter.

[Compliance with the above PM emission limit also assures compliance with 25 Pa. Code § 123.13]

**Control Device Efficiencies Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The filters to be used in the Airomax Filtration System shall be rated for a control efficiency of 99.97 percent.

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

(a) The Airomax Filtration System shall be equipped with a gauge to monitor the pressure drop across the Airomax Filtration System.

(b) The pressure drop across the Airomax Filtration System shall be continuously monitored.

**SECTION D. Source Level Requirements**

(c) The pressure drop gauge shall be equipped with an audible and visual alarm system to notify the permittee when the pressure drop exceeds 2.5 inches water gauge (w.g.).

(d) The pressure drop gauge shall be tested for proper operation on a monthly basis.

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

The permittee shall calculate and record emissions of NO<sub>x</sub>, Pb, Pb compounds, and any other hazardous air pollutants (HAP) emitted from the Airomax Filtration System, on a monthly basis and as a 12-month rolling sum.

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

The permittee shall keep a record of the type and amount of training that is provided to each operator of the Eight (8) Detonator Test Chambers (Source ID 100) and the Airomax Filtration System, including refresher training.

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

(a) The permittee shall document monthly testing of the Airomax Filtration System.

(b) The pressure drop across the Airomax Filtration System shall be recorded each month when it is tested.

(c) The permittee shall maintain records of filter purchases, when filters are changed in the Airomax Filtration System, and the number of filters replaced.

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

The permittee shall maintain records of the daily inspections of the Airomax Filtration System for leaks, spills, fugitive emissions, emergency shutdown controls, and system alarms.

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

The Airomax Filtration System shall be inspected daily for leaks, spills, and fugitive emissions, and all emergency shutdown controls and system alarms shall be checked to assure proper operation.

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

(a) The Airomax Filtration System shall be operated immediately prior to, during, and for at least 30 seconds after the last tested detonator.

(b) The permittee shall keep on hand spare filters for the Airomax Filtration System.

(c) Filters shall be changed when the pressure drop across the Airomax Filtration System reaches 2.5 inches water gauge (w.g.).

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

(a) The permittee shall provide introductory training to any employee that will be operating the Eight (8) Detonator Test Chambers (Source ID 100) and the Airomax Filtration System. The training shall consist of the proper operation and

**SECTION D. Source Level Requirements**

maintenance of the Eight (8) Detonator Test Chambers (Source ID 100) and the Airomax Filtration System.

(b) The permittee shall, on a yearly basis or as needed (not to exceed a 1-year period), provide refresher training on the operation and maintenance of the Eight (8) Detonator Test Chambers (Source ID 100) and the Airomax Filtration System.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall dispose of ash and any residue resulting from the Airomax Filtration System in a manner such that it is approved by the Department's Waste Management Program.

**VII. ADDITIONAL REQUIREMENTS.**

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The Airomax Filtration System is a multi-stage filtration system (pleat, bag filter, HEPA), manufactured by Airomax, Model No. 3603.

**SECTION D. Source Level Requirements**

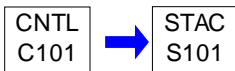
Source ID: C101

Source Name: TRIPLE FILTRATION SYSTEM

Source Capacity/Throughput:

N/A

ENERGETIC WASTE STREAMS A

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

(a) Emissions from the Triple Filtration System shall not exceed the following air contaminant emission limits:

- |                                 |   |
|---------------------------------|---|
| (1) Carbon Monoxide (CO):       | 1.89 tons per year, determined on a 12-month rolling period |
| (2) Particulate Matter (PM):    | 0.015 grain per dry standard cubic foot                     |
| (3) Lead (Pb):                  | 4.3 grams per hour  |
| (4) Hexavalent Chromium (Cr+6): | 0.17 grams per hour   |

(b) The calculated maximum annual concentrations from the Triple Filtration System shall not exceed the following emission limits:

- |  |                                |
|--|--------------------------------|
| (1) Hexavalent Chromium and Compounds: | 0.083 nanogram per cubic meter |
| (2) Lead and Compounds:                | 0.09 microgram per cubic meter |

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

Visible emissions from the Triple Filtration System stack shall not exceed the following opacity limits:

- (a) 10 percent for a period or periods aggregating more than three minutes in any hour; or,  
 (b) 30 percent at any time.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code 123.1]

The storage and handling of material collected from the Triple Filtration System shall not result in any fugitive air contaminants to be emitted to the outdoor atmosphere.

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

(a) The Triple Filtration System shall be equipped with devices for monitoring the Triple Filtration System inlet effluent gas temperature and the pressure drop across the baghouse.

(b) Whenever the Triple Filtration System is operating, the permittee shall monitor the Triple Filtration System inlet effluent gas temperature and the pressure drop across the baghouse every 15 minutes.

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



**SECTION D. Source Level Requirements**

The permittee shall continuously monitor the amount of dilution air from the TTU (Source ID 101) to the Triple Filtration System whenever the TTU is operating.

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

The permittee shall monitor, on an hourly basis, the color and opacity of the Triple Filtration System exhaust.

**IV. RECORDKEEPING REQUIREMENTS.**

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

Whenever the Triple Filtration System is operating, the permittee shall record the Triple Filtration System inlet effluent gas temperature and the pressure drop across the baghouse every 15 minutes.

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

The permittee shall keep a record of the type and amount of training that is provided to each operator of the TTU (Source ID 101) and the Triple Filtration System.

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

The permittee shall keep a copy of all tests, protocols, and reports generated in conjunction with the TTU (Source ID 101) and the Triple Filtration System.

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

The permittee shall document results of the hourly inspections for color and opacity of the Triple Filtration System exhaust.

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

The permittee shall document the dilution air settings associated with the TTU (Source ID 101) and the Triple Filtration System. Documentation shall be performed each day that the TTU and Triple Filtration System are operating. If either of the dilution air settings is changed within a given day, the permittee shall document the new setting(s) at which the TTU and Triple Filtration System operate.

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

The permittee shall maintain records of the daily inspections of the Triple Filtration System for leaks, spills, fugitive emissions, emergency shutdown controls, and system alarms.

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

The permittee shall calculate and record emissions of Pb, Pb compounds, and Cr+6 from the Triple Filtration System on a monthly basis and as a 12-month rolling sum.

**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.**

**# 014 [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 270]

The TTU (Source ID 101) and the Triple Filtration System shall not be operated without the permittee having a valid and

**SECTION D. Source Level Requirements**

active Resource Conservation and Recovery Act (RCRA) Permit, approved by the Department and the USEPA.

**# 015 [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 264.16]

(a) The permittee shall provide introductory training to any employee that will be operating the TTU (Source ID 101) and the Triple Filtration System. The training shall consist of the proper operation and maintenance of the TTU and the Triple Filtration System.

(b) The permittee shall, on a yearly basis or as needed (not to exceed a 1-year period), provide refresher training on the operation and maintenance of the TTU and the Triple Filtration System.

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

The permittee shall dispose of ash and any residue resulting from the TTU (Source ID 101) and the Triple Filtration System in a manner such that it is approved by the Department's Waste Management Program.

**# 017 [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 264.15]

The Triple Filtration System shall be inspected daily for leaks, spills, and fugitive emissions, and all emergency shutdown controls and system alarms shall be checked to assure proper operation.

**# 018 [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 264, Subpart I]

The permittee shall store and manage hazardous waste in a manner such that it is approved by the Department's Waste Management Program.

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

In the case where the visible emissions from the Triple Filtration System exceed the limits contained herein this Operating Permit, the TTU (Source ID 101) shall be shut down. The operator shall immediately make any indicated operating corrections necessary to return any visible emissions to their normal appearance.

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

The Triple Filtration System consists of the following:

- (a) Cyclone - Custom Steel Design
- (b) Baghouse - Manufactured by Mikro-Pulsaire, Model No. 49S-10-20
- (c) HEPA Filter - Filter manufacturer may vary



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor		
030	MISC COMBUSTION SOURCES		
<b>Emission Limit</b>		<b>Pollutant</b>	
1.200	Lbs/MMBTU		SOX
201	ETHYL ALCOHOL		
<b>Emission Limit</b>		<b>Pollutant</b>	
4.100	Tons/Yr	Determined on a 12-month rolling period	VOC
C100	AIROMAX FILTRATION SYSTEM		
<b>Emission Limit</b>		<b>Pollutant</b>	
1.200	Tons/Yr	Lead and Compounds	Lead
1.500	ug/m <sup>3</sup>		Lead
7.800	Tons/Yr		NOX
0.020	gr/DRY FT <sup>3</sup>	Applies to filterable PM only	PM <sub>2.5</sub>
C101	TRIPLE FILTRATION SYSTEM		
<b>Emission Limit</b>		<b>Pollutant</b>	
1.890	Tons/Yr	Determined on a 12-month rolling period	CO
0.083	NG/M <sup>3</sup>		Chromium Compounds
0.170	GRAMS/Hr		Hexavalent Chromium
0.090	ug/m <sup>3</sup>	Lead and Compounds	Lead
4.300	GRAMS/Hr	Lead and Compounds	Lead
0.015	gr/DRY FT <sup>3</sup>	Applies to filterable PM only	PM <sub>2.5</sub>

**Site Emission Restriction Summary**

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

(a) This Operating Permit (AUTH ID: 524468; APS ID: 500247) incorporates requirements from the following approvals:

- (1) Operating Permit No. 15-313-053
- (2) Plan Approval No. PA-15-0114

(b) This Operating Permit (AUTH ID: 1000411; APS ID: 500247) is being renewed for another 5-year term.

- (1) Source ID 030 has been modified to include a new Crown Boiler, rated at 594,000 Btu/hr, and fired on No. 2 fuel oil.
- (2) This Operating Permit incorporates the requirements of 40 CFR Part 63, Subpart JJJJJJ, for Source ID 030.
- (3) This Operating Permit incorporates new Source ID 200 (Parts Washers).

(c) This Operating Permit (AUTH ID: 1064855; APS ID: 500247) is being amended to incorporate the requirements of Plan Approval No. 15-0114A.

(b) This Operating Permit (AUTH ID: 1257437; APS ID: 500247) is being renewed for another 5-year term. Per this operating permit renewal, Source ID 030 has been updated to reflect the replacement of the Rheem boiler in Building 2 with a Lenox boiler, equivalent in size to the Rheem boiler and fired on No. 2 fuel oil.



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

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