



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: December 18, 2003

Effective Date:

Expiration Date: January 31, 2009

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: 15-00007

Synthetic Minor

Federal Tax Id - Plant Code: 23-1405012-2

Owner Information

Name: WYETH PHARM

Mailing Address: 611 E NIELDS ST
WEST CHESTER, PA 19382-3772

Plant Information

Plant: WYETH PHARMACEUTICALS/WEST CHESTER

Location: 15 Chester County 15003 West Chester Borough

SIC Code: 2834 Manufacturing - Pharmaceutical Preparations

Responsible Official

Name: TERRY S WILEY

Title: MANAGING DIR

Phone: (610) 344 - 2557

Permit Contact Person

Name: GLENN MILLER

Title: DIR FACILITIES & PROD

Phone: (610) 344 - 2557

[Signature] _____

FRANCINE B CARLINI, SOUTHEAST REGION AIR PROGRAM MANAGER



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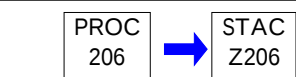
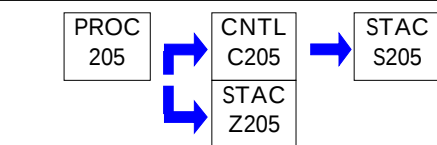
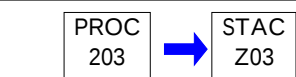
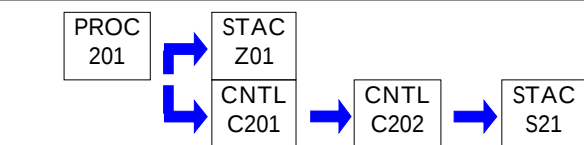
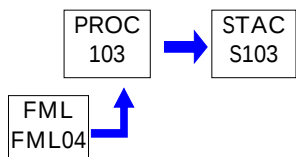
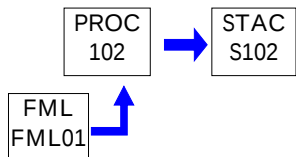
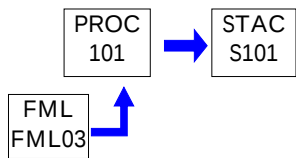
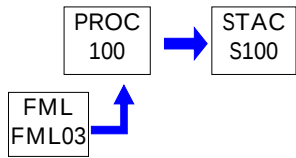
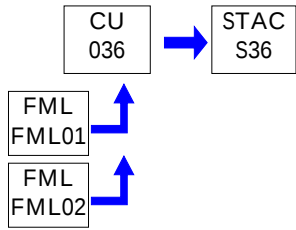


SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
035	CLEAVER-BROOKS,BOILER #1	33.500 MMBTU / HR	
		239.00 Gal / HR	#2 Oil
		45.00 MCF / HR	NAT.GAS
036	CLEAVER-BROOKS,BOILER #2	33.500 MMBTU / HR	
		39,550.00 Gal / HR	#2 F.O.
		14,500.00 MCF / HR	NAT. GAS
100	15 KW ONAN EMERGENCY GENERATOR	2.16 Gal / HR	Propane
101	16 KW KOHLER EMERGENCY GENERATOR	2.38 Gal / HR	Propane
102	20 KW ONAN EMERGENCY GENERATOR	195.90 CF / HR	Natural Gas
103	150 KW DETROIT DIESEL EMERGENCY GENERATO	10.67 Gal / HR	Diesel Fuel
201	CRYSTALLINE PROCESS DRYERS	105.00 Tons / HR	PENICILLIN
202	REGULATED STORAGE TANKS	10.00 Lbs / HR	ORGANICS
203	WATER TREATMENT PLANT	20,000.00 Lbs / HR	ORGANICS
205	ACID STORAGE TANK	6.74 Lbs / HR	HYDROCHLORIC ACID
206	PENICILLIN LINE	N / A	ISOPROPYL ALCOHOL
C201	WATER COOLED CONDENSERS (2 TOTAL)		
C202	REFRIGERANT COOLED CONDENSERS (2 TOTAL)		
C205	ACID TANK SCRUBBER (TRUCK UNLOADING)		
FML01	PECO NATURAL GAS PIPELINE		
FML02	#2 F.O. STORAGE TANK		
FML03	PROPANE LIQUID		
FML04	DIESEL FUEL OIL		
S100	ONAN 15KW GENERATOR STACK		
S101	KOHLER 16 KW GENERATOR STACK		
S102	ONAN 20 KW GENERATOR STACK		
S103	DETROIT DIESEL 150 KW GENERATOR STACK		
S205	ACID TANK SCRUBBER STACK		
S21	REFRIGERANT CONDENSER STACKS (2 TOTAL)		
S35	CLEAVER BROOKS BOILER NO. 1 STACK		
S36	CLEAVER BROOKS BOILER NO. 2 STACK		
Z01	CRYSTALLINE DRYING PROCESS FUGITIVES		
Z02	STORAGE TANK FUGITIVES		
Z03	TREATMENT PLANT		
Z205	ACID STORAGE TANK FUGITIVES		
Z206	BUILDING EXHAUST FANS AND VENTS (23 SOURC		

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, modification, revision, renewal, and re-issuance of each operating permit or part thereof.

SECTION B. General State Only Requirements

(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 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

SECTION B. General State Only Requirements

(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 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.



SECTION B. General State Only Requirements

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.
- (b) The Department may disapprove or condition de minimis emission increases at any time.
- (c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:
 - (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
 - (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
 - (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
 - (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.
 - (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.

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

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.

SECTION B. General State Only Requirements

(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)

(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 §

**SECTION B. General State Only Requirements**

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 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.

**SECTION B. General State Only Requirements**

#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 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) Sources, and classes of sources, other than those identified in
 - (a) - (e) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate 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.

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.

SECTION C. Site Level Requirements

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the total facility emissions of volatile organic compounds from all sources operated at this facility to 24.99 tons per year or less on a 12-month rolling basis.

008 [25 Pa. Code §129.14]

Open burning operations

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results 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 solely for cooking food.
- (d) A fire set solely for recreational or ceremonial purposes.
- (e) A fire set for the prevention and control of disease or pests, when approved by the Department.

II. TESTING REQUIREMENTS.

009 [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.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) Odors, which the Department may determine to be objectionable.
- (2) Visible Emissions.
- (3) Fugitive Particulate Matter.

(b) All detectable objectionable odors, that originated on-site and cross the property line, as well as fugitive particulate emissions and visible emissions that originated on site shall:

SECTION C. Site Level Requirements

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

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Within thirty (30) days after permit issuance, the permittee shall submit, to the Department for approval, the proposed recordkeeping formats required in this Operating Permit.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a record of all reports of fugitive emissions, visible emissions and odors that the Department may consider to be malodors. The report 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.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operations personnel shall record their observations and findings, each time the facility is monitored for odors, fugitive emissions, and visible emissions.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of calculations and/or data for the emissions from each source listed in Sections D and G of this permit to demonstrate compliance with applicable facility-wide emissions limitations and source specific emissions limitations listed in this permit.

V. REPORTING REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall, within two (2) hours, of becoming knowledgeable, of any occurrence, notify the Department, at (610) 832-6242, of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or regulation contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

**SECTION C. Site Level Requirements**

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

017 [25 Pa. Code §135.3]

Reporting

The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, an Air Information Management System (AIMS) inventory report for the preceding calendar year.

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

VI. WORK PRACTICE REQUIREMENTS.

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 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, as approved by the Department, 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, as approved by the Department, 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 immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

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: 035

Source Name: CLEAVER-BROOKS,BOILER #1

Source Capacity / Throughput:

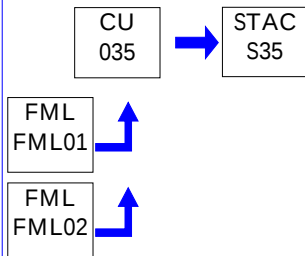
33.500 MMBTU / HR

239.00 Gal / HR

#2 Oil

45.00 MCF / HR

NAT.GAS

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.42c(d).]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit in excess of 0.5 pounds per million Btu of heat input, pursuant to 40 CFR § 60.42c(d).

[Compliance with the streamlined emission limitation written above also demonstrates compliance with the applicable limits from 25 Pa. Code § 123.22(e)(1).]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler shall be constructed using low NO_x burners with flue gas recirculation (FGR) capable of emitting nitrogen oxides (NO_x) emissions of or less than as follows:

- (a). When burning Natural Gas: 30 ppm, dry volume basis, at 3 % O₂ or 0.035 pounds per million BTU heat input.
- (b). When burning No. 2 Fuel Oil: 150 ppm, dry volume basis, at 3 % O₂ or 0.190 pounds per million BTU heat input.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the combined emissions from Source ID Nos. 035 and 036 as follows:

- (a). Particulate Matter (PM) - 1.5 lb / hr; 3.54 tons per 12-month rolling period.
- (b). Sulfur Oxides (SO₂) - 20.70 lb / hr; 15.31 tons per 12-month rolling period.
- (c). Nitrogen Oxides (NO_x) - 14.60 lb / hr; 19.21 tons per 12-month rolling period.
- (d). Carbon Monoxide (CO) - 5.03 lb / hr; 21.79 tons per 12-month rolling period.
- (e). Non Methane Hydrocarbon (NMHC) - 1.68 lb / hr; 4.14 tons per 12-month rolling period.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.43c (c) and 25 Pa. Code § 123.41.]

A person may not permit the emission into the outdoor atmosphere of visible contaminants in such a manner that the opacity

SECTION D. Source Level Requirements

on the emission is:

- (a). Equal to or greater than 20 % for a period or periods aggregating more than 3 minutes in any 1 hour or 6 minutes in any 1 hour, whichever is more stringent.
- (b). Equal to or great than 60 % at any time.

Fuel Restriction(s).

006 [25 Pa. Code §123.22]

Combustion units

[Additional authority for this permit condition is also derived from 40 CFR § 60.42c(d).]

No person may, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with the above written fuel type limit also demonstrates compliance with the applicable fuel type limit from 40 CFR § 60.42c(d).]

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only burn Natural Gas and No. 2 Fuel Oil in this boiler. Fuel oil shall only be burned during the winter months of December through March of each year. The permittee shall request Department approval to burn No. 2 Fuel Oil at any other time.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The nitrogen content of the No. 2 Fuel Oil shall not exceed 0.1% nitrogen at any time.

Throughput Restriction(s).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The maximum No. 2 Fuel Oil usage combined for Source ID Nos. 035 and 036 shall not exceed 696,000 gallons for the months of December through March.

II. TESTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Testing for nitrogen content in No. 2 Fuel Oil

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

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

(2). Results shall be reported in accordance with the units specified in Condition #008 for this source.

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

SECTION D. Source Level Requirements

011 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

(3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing 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.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor for the following for this source:

- (a). The type(s) of fuel consumed on a daily basis.
- (b). The amount of each fuel consumed on a daily basis.
- (c). The number of hours of operation on a daily basis.
- (d). The full firing rate of this boiler on a monthly basis.

[Compliance with the monitoring above also demonstrates compliance with the applicable requirements of 40 CFR § 60.48c(g) when No. 2 Fuel Oil is used by this boiler.]

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For each annual adjustment or tune-up performed on this source, the permittee shall record each adjustment in a permanently bound log book or other method approved by the Department. This log book shall contain, at a minimum, the following information:

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

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall keep records of the following for this source:

- (1). The type(s) of fuel consumed on a daily basis.
- (2). The amount of each fuel consumed on a daily basis.
- (3). The number of hours of operation on a daily basis.
- (4). The full firing rate of this boiler on a monthly basis.

(b). The permittee shall calculate and record the total emissions of each limited pollutant from this source on a monthly and 12-month rolling basis.

**SECTION D. Source Level Requirements**

[Compliance with the recordkeeping above also demonstrates compliance with the applicable requirements of 40 CFR § 60.48c(g) when No. 2 Fuel Oil is used by this boiler.]

015 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Records shall be kept for a minimum of five (5) years in a permanently bound log book or other media approved by the Department and shall be made available to the Department upon request.

016 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall keep records of test results for nitrogen and sulfur content of fuel oil or delivery receipts containing information on the nitrogen and sulfur content of fuel oil per delivery.

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.

017 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall perform an annual adjustment or tuneup on this source. The adjustment shall include, at a minimum, the following:

(a). Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(b). Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x and to the extent practicable minimize emissions of CO.

(c). Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

018 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The annual adjustment shall be made in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas Fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

019 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall install and maintain necessary meter(s) to determine and record the amount of fuel usage for this source.

VII. ADDITIONAL REQUIREMENTS.

020 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this source, NSPS 40 CFR § 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both the EPA and the Department. The EPA copies shall be forwarded to:

Director

**SECTION D. Source Level Requirements**

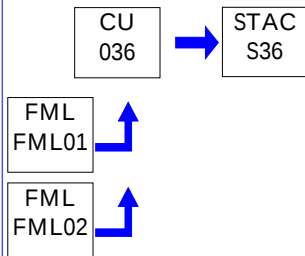
Air, Toxics, and Radiation Division
U.S. EPA, Region III
1650 Arch Street (3AP00)
Philadelphia, PA 19103-2029

**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: CLEAVER-BROOKS,BOILER #2

Source Capacity / Throughput: 33.500 MMBTU / HR
 39,550.00 Gal / HR #2 F.O.
 14,500.00 MCF / HR NAT. GAS

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.42c(d).]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit in excess of 0.5 pounds per million Btu of heat input, pursuant to 40 CFR § 60.42c(d).

[Compliance with the streamlined emission limitation written above also demonstrates compliance with the applicable limits from 25 Pa. Code § 123.22(e)(1).]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler shall be constructed using low NO_x burners with flue gas recirculation (FGR) capable of emitting nitrogen oxides (NO_x) emissions of or less than as follows:

- (a). When burning Natural Gas: 30 ppm, dry volume basis, at 3 % O₂ or 0.035 pounds per million BTU heat input.
- (b). When burning No. 2 Fuel Oil: 150 ppm, dry volume basis, at 3 % O₂ or 0.190 pounds per million BTU heat input.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the combined emissions from Source ID Nos. 035 and 036 as follows:

- (a). Particulate Matter (PM) - 1.5 lb / hr; 3.54 tons per 12-month rolling period.
- (b). Sulfur Oxides (SO₂) - 20.70 lb / hr; 15.31 tons per 12-month rolling period.
- (c). Nitrogen Oxides (NO_x) - 14.60 lb / hr; 19.21 tons per 12-month rolling period.
- (d). Carbon Monoxide (CO) - 5.03 lb / hr; 21.79 tons per 12-month rolling period.
- (e). Non Methane Hydrocarbon (NMHC) - 1.68 lb / hr; 4.14 tons per 12-month rolling period.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.43c (c) and 25 Pa. Code § 123.41.]

A person may not permit the emission into the outdoor atmosphere of visible contaminants in such a manner that the opacity

**SECTION D. Source Level Requirements**

on the emission is:

- (a). Equal to or greater than 20 % for a period or periods aggregating more than 3 minutes in any 1 hour or 6 minutes in any 1 hour, whichever is more stringent.
- (b). Equal to or great than 60 % at any time.

Fuel Restriction(s).

006 [25 Pa. Code §123.22]

Combustion units

[Additional authority for this permit condition is also derived from 40 CFR § 60.42c(d).]

No person may, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with the above written fuel type limit also demonstrates compliance with the applicable fuel type limit from 40 CFR § 60.42c(d).]

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only burn Natural Gas and No. 2 Fuel Oil in this boiler. Fuel oil shall only be burned during the winter months of December through March of each year. The permittee shall request Department approval to burn No. 2 Fuel Oil at any other time.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The nitrogen content of the No. 2 Fuel Oil shall not exceed 0.1% nitrogen at any time.

Throughput Restriction(s).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The maximum No. 2 Fuel Oil usage combined for Source ID Nos. 035 and 036 shall not exceed 696,000 gallons for the months of December through March.

II. TESTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Testing for nitrogen content in No. 2 Fuel Oil

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

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

(2). Results shall be reported in accordance with the units specified in Condition #008 for this source.

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

SECTION D. Source Level Requirements

011 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

(3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing 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.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor for the following for this source:

- (a). The type(s) of fuel consumed on a daily basis.
- (b). The amount of each fuel consumed on a daily basis.
- (c). The number of hours of operation on a daily basis.
- (d). The full firing rate of this boiler on a monthly basis.

[Compliance with the monitoring above also demonstrates compliance with the applicable requirements of 40 CFR § 60.48c(g) when No. 2 Fuel Oil is used by this boiler.]

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For each annual adjustment or tune-up performed on this source, the permittee shall record each adjustment in a permanently bound log book or other method approved by the Department. This log book shall contain, at a minimum, the following information:

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

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall keep records of the following for this source:

- (1). The type(s) of fuel consumed on a daily basis.
- (2). The amount of each fuel consumed on a daily basis.
- (3). The number of hours of operation on a daily basis.
- (4). The full firing rate of this boiler on a monthly basis.

(b). The permittee shall calculate and record the total emissions of each limited pollutant from this source on a monthly and 12-month rolling basis.

**SECTION D. Source Level Requirements**

[Compliance with the recordkeeping above also demonstrates compliance with the applicable requirements of 40 CFR § 60.48c(g) when No. 2 Fuel Oil is used by this boiler.]

015 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Records shall be kept for a minimum of five (5) years in a permanently bound log book or other media approved by the Department and shall be made available to the Department upon request.

016 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall keep records of test results for nitrogen and sulfur content of fuel oil or delivery receipts containing information on the nitrogen and sulfur content of fuel oil per delivery.

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.

017 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall perform an annual adjustment or tuneup on this source. The adjustment shall include, at a minimum, the following:

(a). Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(b). Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x and to the extent practicable minimize emissions of CO.

(c). Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

018 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The annual adjustment shall be made in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas Fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

019 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall install and maintain necessary meter(s) to determine and record the amount of fuel usage for this source.

VII. ADDITIONAL REQUIREMENTS.

020 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this source, NSPS 40 CFR § 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both the EPA and the Department. The EPA copies shall be forwarded to:

Director

**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: 100

Source Name: 15 KW ONAN EMERGENCY GENERATOR

Source Capacity / Throughput:

2.16 Gal / HR

Propane

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.04 gr / dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation for this emergency generator to 500 hours or less 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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following for this source:

- The date and time of start-up.
- The date and time of shutdown.
- The amount of fuel consumed during operation as determined by a method approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall keep records of the following for this source:

- The date and time of start-up.
- The date and time of shutdown.
- The amount of fuel consumed during operation as determined by a method approved by the Department.

**SECTION D. Source Level Requirements**

(b). The permittee shall calculate and record the total emissions of each pollutant limited by this permit and the total number of hours of operation on a monthly and a 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this emergency generator in accordance with manufacturer's specifications and good air pollution control practices.

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: 101

Source Name: 16 KW KOHLER EMERGENCY GENERATOR

Source Capacity / Throughput:

2.38 Gal / HR

Propane

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.04 gr / dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation for this emergency generator to 500 hours or less 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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following for this source:

- The date and time of start-up.
- The date and time of shutdown.
- The amount of fuel consumed during operation as determined by a method approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall keep records of the following for this source:

- The date and time of start-up.
- The date and time of shutdown.
- The amount of fuel consumed during operation as determined by a method approved by the Department.

**SECTION D. Source Level Requirements**

(b). The permittee shall calculate and record the total emissions of each pollutant limited by this permit and the total number of hours of operation on a monthly and a 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this emergency generator in accordance with manufacturer's specifications and good air pollution control practices.

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: 102

Source Name: 20 KW ONAN EMERGENCY GENERATOR

Source Capacity / Throughput:

195.90 CF / HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.04 gr / dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation for this emergency generator to 500 hours or less 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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following for this source:

- The date and time of start-up.
- The date and time of shutdown.
- The amount of fuel consumed during operation as determined by a method approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall keep records of the following for this source:

- The date and time of start-up.
- The date and time of shutdown.
- The amount of fuel consumed during operation as determined by a method approved by the Department.

**SECTION D. Source Level Requirements**

(b). The permittee shall calculate and record the total emissions of each pollutant limited by this permit and the total number of hours of operation on a monthly and a 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this emergency generator in accordance with manufacturer's specifications and good air pollution control practices.

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: 103

Source Name: 150 KW DETROIT DIESEL EMERGENCY GENERATOR

Source Capacity / Throughput:

10.67 Gal / HR

Diesel Fuel

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.04 gr / dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation for this emergency generator to 500 hours or less per 12-month rolling period.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

(3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing 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.

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

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following for this source:

- (a). The date and time of start-up.
- (b). The date and time of shutdown.
- (c). The amount of fuel consumed during operation as determined by a method approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall keep records of the following for this source:

- (1). The date and time of start-up.
- (2). The date and time of shutdown.
- (3). The amount of fuel consumed during operation as determined by a method approved by the Department.

(b). The permittee shall calculate and record the total emissions of each pollutant limited by this permit and the total number of hours of operation on a monthly and a 12-month rolling basis.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of test results or delivery receipts to demonstrate compliance with the limits on sulfur in the fuel.

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.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this emergency generator in accordance with manufacturer's specifications and good air pollution control practices.

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**

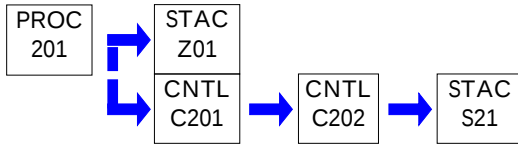
Source ID: 201

Source Name: CRYSTALLINE PROCESS DRYERS

Source Capacity / Throughput:

105.00 Tons / HR

PENICILLIN

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions of volatile organic compounds (VOC) listed under each product below to the following:

(a). Product B.

Potential Process Emissions: 3,221 pounds per 12-month rolling period.

Controlled Emissions: 243 pounds per 12-month rolling period.

(b). Product P.

Potential Process Emissions: 575 pounds per 12-month rolling period.

Controlled Emissions: 15 pounds per 12-month rolling period.

(c). Product A.

Potential Process Emissions: 18,252 pounds per 12-month rolling period.

Controlled Emissions: 1,746 pounds per 12-month rolling period.

(d). Product N.

Potential Process Emissions: 4,744 pounds per 12-month rolling period.

Controlled Emissions: 357 pounds per 12-month rolling period.

002 [25 Pa. Code §129.68]

Manufacture of synthesized pharmaceutical products

The owner or operator of a synthetic pharmaceutical manufacturing facility subject to 25 Pa. Code § 129.68(c) shall reduce the VOC emissions for air dryers and production equipment exhaust systems:

(a). By at least 90% if emissions are 220 pounds per day (100 kilograms per day) or more of VOC.

(b). To 33 pounds per day or less if emissions are less than 220 pounds per day of VOC.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §129.68]

Manufacture of synthesized pharmaceutical products

[Additional authority for this permit condition is also derived from operating permit number 15-313-051.]

The temperature from the exhaust of the refrigerated condensers associated with this source shall be -15.0 degrees C or less, in accordance with 25 Pa. Code § 129.68(b)(1)(ii).

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the following information for this source when this source is in operation:

- (a). The amount of material that contains VOC per batch.
- (b). The number of hours of operation per batch.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the temperature at the outlet of the refrigerant cooled condenser associated with this source once per batch when this source is in operation.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the following on a weekly basis:

- (a). The amount of isopropyl alcohol used for surface disinfection.
- (b). The amount of isopropyl alcohol collected as waste.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a). The permittee shall monitor the following information for this source when this source is in operation:

- (1). The amount of material that contains VOC and /or HAP per batch.
- (2). The number of hours of operation per batch.

(b). The permittee shall calculate and record the total amount of pollutants emitted and total number of hours operated on a monthly basis and a 12-month rolling basis.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall record the temperature at the outlet of the refrigerant cooled condenser associated with this source once per batch when this source is in operation.

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall record the following on a weekly basis:

- (a). The amount of isopropyl alcohol used for surface disinfection.
- (b). The amount of isopropyl alcohol collected as waste.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements**VI. WORK PRACTICE REQUIREMENTS.**

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each exhaust from the Refrigerant Cooled Condensers (Source ID No. C202) associated with this source shall be equipped with a gauge to indicate the outlet temperatures.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) All lids from drums and containers containing volatile organic compounds and hazardous air pollutants shall be kept closed except when the contents are being transferred.

(b) Any spills of disinfecting solvents shall be cleaned up as soon as possible.

012 [25 Pa. Code §129.68]

Manufacture of synthesized pharmaceutical products

The owner or operator of a synthesized pharmaceutical manufacturing facility subject to 25 Pa. Code § 129.68(f) shall repair leaks from which a liquid, containing VOC, can be observed running or dripping. The repair shall be completed the first time the equipment is off-line for a period of time long enough to complete the repair.

013 [25 Pa. Code §129.68]

Manufacture of synthesized pharmaceutical products

The owner or operator of a synthesized pharmaceutical manufacturing facility subject to 25 Pa. Code § 129.68(e) shall install covers on in-process tanks containing a VOC at any time. These covers shall remain close, unless production, sampling, maintenance or inspection procedures require operator access.

014 [25 Pa. Code §129.68]

Manufacture of synthesized pharmaceutical products

In accordance with 25 Pa. Code § 129.68(d), the owner or operator of a synthesized pharmaceutical manufacturing facility shall totally enclose this source.

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**

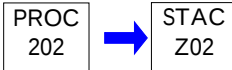
Source ID: 202

Source Name: REGULATED STORAGE TANKS

Source Capacity / Throughput:

10.00 Lbs/HR

ORGANICS

**I. RESTRICTIONS.****Control Device Efficiencies Restriction(s).**

001 [25 Pa. Code §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

For the storage tanks with contents with vapor pressures greater than 1.5 psia, the storage tanks shall be equipped with pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

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.

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

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide calculations and records, using Department approved methods, to demonstrate compliance of this source in terms of the facility-wide limit on volatile organic compounds.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of all inspections and /or maintenance that is performed on the relief valves associated with this source.

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.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.57 and 129.56(g).]

For volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using the temperature which is representative of the average temperature for the hottest month of the year in which the storage takes place.

**SECTION D. Source Level Requirements**

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The pressure relief valves connected to the tanks associated with this source shall be equipped and maintained for as long as these tanks are in service.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall operate and maintain this source in accordance with manufacturers' specifications.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall inspect and /or maintain the relief valves associated with this source on at least a monthly basis.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The following aboveground storage tanks are included under this source:

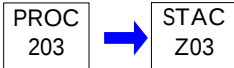
- (a). Isopropyl Alcohol Storage Tank (3,000 gallons; VOC).
- (b). Acetonitrile Storage Tank (5,000 gallons; VOC and HAP).
- (c). Hazardous Waste Storage Tank (10,000 gallons; VOC and HAP).

**SECTION D. Source Level Requirements**

Source ID: 203

Source Name: WATER TREATMENT PLANT

Source Capacity / Throughput: 20,000.00 Lbs / HR ORGANICS

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the amount of each material that contains volatile organic compounds and /or hazardous air pollutants that are processed by this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a). The permittee shall record the amount of each material that contains volatile organic compounds and /or hazardous air pollutants that are processed by this source on a monthly basis.

(b). The permittee shall calculate and record the emissions of volatile organic compounds and hazardous air pollutants on a monthly and 12-month rolling basis.

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.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall operate and maintain this source in accordance with manufacturer's specifications.

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

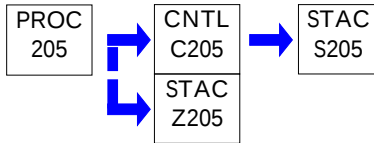
Source ID: 205

Source Name: ACID STORAGE TANK

Source Capacity / Throughput:

6.74 Lbs/HR

HYDROCHLORIC ACID



I. RESTRICTIONS.

Control Device Efficiencies Restriction(s).

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The flow rate of scrubber liquid shall be maintained at 75 gallons per minute or greater.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall use a 14 % by weight solution of sodium hydroxide in the scrubber liquid for the scrubber associated with this source.

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.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a). The permittee shall monitor the flow rate of liquid through the scrubber associated with this source per delivery of hydrochloric acid.

(b). The permittee shall monitor the following information for each delivery:

- (1). The date of delivery.
- (2). The start-up time for the scrubber associated with this source.
- (3). The start-up time for truck unloading.
- (4). The end time for truck unloading.
- (5). The shutdown time for the scrubber associated with this source.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the amount of hydrochloric acid added to this source per delivery.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the amounts of water and 50% sodium hydroxide solution used to create each batch of 14 % sodium hydroxide scrubber solution. The solution should be at a ratio of 4 gallons water to 1 gallon 50 % sodium hydroxide solution.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.**

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the amounts of water and 50% sodium hydroxide solution used to create each batch of 14 % sodium hydroxide scrubber solution. The solution should be at a ratio of 4 gallons water to 1 gallon 50 % sodium hydroxide solution.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall record the flow rate of liquid through the scrubber associated with this source per delivery of hydrochloric acid.

(b). The permittee shall record the following information for each delivery:

- (1). The date of delivery.
- (2). The start-up time for the scrubber associated with this source.
- (3). The start-up time for truck unloading.
- (4). The end time for truck unloading.
- (5). The shutdown time for the scrubber associated with this source.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount of hydrochloric acid added to this source per delivery.

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.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the scrubber associated with this source when hydrochloric acid is unloaded from a truck to this source. This scrubber shall be in operation at least one hour prior to truck unloading and at least one hour after truck unloading.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Equipment (a rotameter, or equivalent, as approved by the Department) shall be provided so that at the request of the Department the liquid flow rate of the scrubber can be measured.

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**

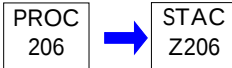
Source ID: 206

Source Name: PENICILLIN LINE

Source Capacity / Throughput:

N / A

ISOPROPYL ALCOHOL

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the following on a weekly basis:

- (a). The amount of isopropyl alcohol used for surface disinfection.
- (b). The amount of isopropyl alcohol collected as waste.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall record the following on a weekly basis:

- (a). The amount of isopropyl alcohol used for surface disinfection.
- (b). The amount of isopropyl alcohol collected as waste.

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.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

- (a) All lids from drums and containers containing volatile organic compounds and hazardous air pollutants shall be kept closed except when the contents are being transferred.

- (b) Any spills of disinfecting solvents shall be cleaned up as soon as possible.

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Source ID No. 206 includes the following list of equipment:

**SECTION D. Source Level Requirements**

- (a). Two Mixing Tanks.
- (b). Crystallizer.
- (c). Centrifuge.
- (d). Wash Tank.
- (e). Tote Bin.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION F. Emission Restriction Summary.

Dep Id	Source Description
035	CLEAVER-BROOKS,BOILER #1
036	CLEAVER-BROOKS,BOILER #2
100	15 KW ONAN EMERGENCY GENERATOR
101	16 KW KOHLER EMERGENCY GENERATOR
102	20 KW ONAN EMERGENCY GENERATOR

**SECTION F. Emission Restriction Summary.**

Dep Id	Source Description		
103	150 KW DETROIT DIESEL EMERGENCY GENERATOR		
	Emission Limit		Pollutant
	0.040 gr / CF	dry standard conditions	PM10
	500.000 PPMV	dry standard conditions	SOX

Site Emission Restriction Summary

Emission Limit		Pollutant
24.990 Tons / Yr	12-month rolling basis	VOC

**SECTION G. Miscellaneous.**

#001. Special Conditions for Emission Reduction Credits for Wyeth Pharmaceuticals for the removal of a Keeler-Farber Boiler and a Cleaver Brooks Boiler.

(a). This operating permit requires the permanent shutdown of the Cleaver Brooks Boiler (Source ID No. 031), rated at 62.7 MMBTU/hr, and the Keeler-Farber Boiler (Source ID No. 034), rated at 59 MMBTU/hr at 611 East Nields Street, West Chester, Chester County. The above listed sources at this facility shall remain dismantled.

(b). By the permanent shutdown of the two boilers Wyeth Pharmaceuticals may be entitled to an emission reduction credit (ERC) of 28.4 tons per year of nitrogen oxides (NOx).

(c). Wyeth Pharmaceuticals, and any subsequent user of the related ERC, shall comply with the requirements of 25 Pa. Code §§ 127.206 - 127.210.

(d). The ERC generated under this operating permit shall expire if not consumed prior to December 21, 2003.

#002. Insignificant Activities

(a). The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- (1). Ethanol Storage Tank: Emissions = 0.0035 tons per year.
- (2). Formamide Storage Tank: Emissions = 0 tons per year.
- (3). Acetone Storage Tank: Emissions = 0.735 tons per year (exempt VOC).
- (4). Methylene Chloride Storage Tank: Emissions = 0.188 tons per year (HAP/exempt VOC).
- (5). Laboratory Hoods (14 total).
- (6). Powder Handling Area and HEPA Filter.

(b). For the storage tanks listed above, the permittee shall calculate and keep records of volatile organic compound and hazardous air pollutant emissions from these sources, using a method approved by the Department, to demonstrate compliance with the applicable limits of this permit.

#003. The storage tanks listed in Source ID No. 202 in Section D and Section G Condition #002(a) above are in the process of being decommissioned. Wyeth Pharmaceuticals is awaiting approval from U.S. FDA on proposed plan prior to going through with decommissioning these tanks. The permittee shall notify the Department in writing if there are any changes to these sources.

#004. The permittee has stated in e-mail correspondence with the Department (October 20, 2003) that only Product Lines B and P are active at this facility. Plans are made to decommission the Crystalline Process completely, but these plans are waiting for U.S. FDA approval.

#005. The following permits serve as a basis for certain terms and conditions in this State Only Operating Permit:

OP-15-00007
15-302-080
15-313-047
15-313-051

#006. The capacities/throughputs listed in Sections A and D of this permit are used for descriptive purposes. These capacities are not considered limitations or enforceable conditions by the Department.



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