



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

**STATE ONLY OPERATING PERMIT**

Issue Date: February 12, 2020

Effective Date: February 12, 2020

Expiration Date: February 11, 2025

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

**State Only Permit No: 47-00005**

Synthetic Minor

Federal Tax Id - Plant Code: 24-0795959-1

**Owner Information**

Name: GEISINGER HEALTH SYS  
Mailing Address: 100 N ACADEMY AVE  
DANVILLE, PA 17821-2455

**Plant Information**

Plant: GEISINGER MED CTR/DANVILLE  
Location: 47 Montour County 47907 Mahoning Township  
SIC Code: 8099 Services - Health And Allied Services, Nec

**Responsible Official**

Name: ALAN R NEUNER  
Title: V.P. FACILITY OPERATIONS  
Phone: (570) 271 - 5515

**Permit Contact Person**

Name: MICHAEL W KALIE  
Title: FACILITIES MGR  
Phone: (570) 271 - 6931

[Signature] \_\_\_\_\_

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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**SECTION A. Site Inventory List**

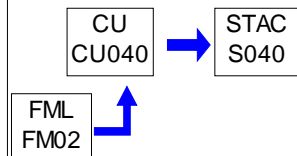
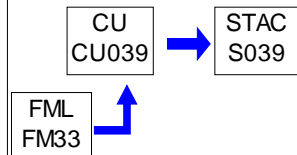
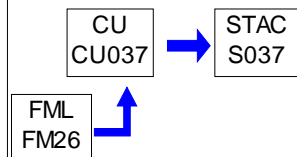
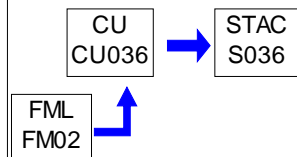
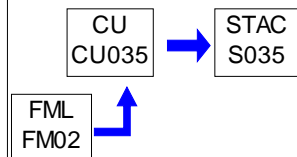
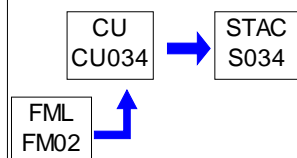
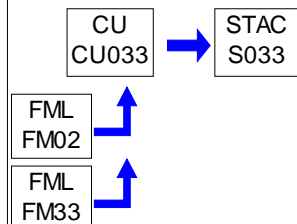
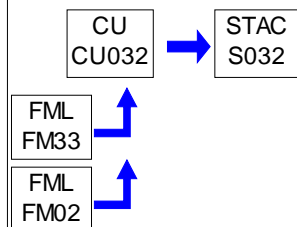
Source ID	Source Name	Capacity/Throughput		Fuel/Material
CU032	CLEAVER BROOKS BOILER 2	38.000	MMBTU/HR	
		38,000.000	CF/HR	Natural Gas
		271.400	Gal/HR	#2 Oil
CU033	CLEAVER BROOKS BOILER 3	38.000	MMBTU/HR	
		38,000.000	CF/HR	Natural Gas
		271.400	Gal/HR	#2 Oil
CU034	WELL MCLAIN BOILER 1 AT KNAPPER CLINIC	1.000	MMBTU/HR	
		1,000.000	CF/HR	Natural Gas
CU035	WELL MCLAIN BOILER 2 AT KNAPPER CLINIC	1.000	MMBTU/HR	
		1,000.000	CF/HR	Natural Gas
CU036	NATURAL GAS-FIRED TURBO WATER HEATER	0.100	MMBTU/HR	
		120.000	CF/HR	Natural Gas
CU037	COMBUSTION SOURCES AT GARAGE	0.700	MMBTU/HR	
CU039	FURNACES AT BELL AND BUHERT PROPERTIES	0.375	MMBTU/HR	
CU040	NATURAL GAS-FIRED BOILERS AT WOODBINE	24.000	MMBTU/HR	
		24,000.000	CF/HR	Natural Gas
CU040A	NATURAL GAS COMBUSTION SOURCES AT WOODBINE	2.600	MMBTU/HR	
CU041	NATURAL GAS COMBUSTION SOURCES AT FOSS HOME	0.600	MMBTU/HR	
CU042	NATURAL GAS-FIRED BOILER AT PARTIAL HOSPITALIZATION	0.195	MMBTU/HR	
CU043	NATURAL GAS HEATER AT GSS CONSTRUCTION	0.110	MMBTU/HR	
CU044	COMBUSTION SOURCES AT MCBRIDE	0.934	MMBTU/HR	
CU045	CABINET INDUSTRIES COMBUSTION SOURCES	6.750	MMBTU/HR	
CU046	BOILER FOR ADVANCED MEDICINE HOSPITAL	11.800	MMBTU/HR	
CU047	JUSTIN DRIVE COMBUSTION SOURCES	2.200	MMBTU/HR	
CU048	MILL ST. COMBUSTION SOURCES	0.900	MMBTU/HR	
CU050	FOOD SERVICES COMBUSTION SOURCES	5.000	MMBTU/HR	
CU051	PINE BARN INN COMBUSTION SOURCES	5.400	MMBTU/HR	
CU052	HUGHES CENTER COMBUSTION SOURCES	5.000	MMBTU/HR	
CU053	JUSTIN DRIVE 2 COMBUSTION SOURCES			
CU054	CLEAVER BROOKS BOILER #6	24.500	MMBTU/HR	
		24,014.000	CF/HR	Natural Gas
		175.000	Gal/HR	#2 Oil
CU055	1 MONTOUR STREET COMBUSTION SOURCES	13.100	MMBTU/HR	
CU056	VITALINE COMBUSTION SOURCES	1.300	MMBTU/HR	
CU057	BUCHERT FURNACE	0.299	MMBTU/HR	
P104	LABORATORY AND STAINING MACHINE CHEMICALS USAGE			
P105	DIESEL-FIRED GENERATORS	119.790	Gal/HR	#2 Oil
P105A	NEW DIESEL-FIRED GENERATORS			
P121	NATURAL GAS-FIRED GENERATORS	13.320	CF/HR	Natural Gas

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
P121A	NEW NATURAL GAS-FIRED GENERATORS		
P201	COMBINED HEAT AND POWER COMBUSTION TURBINE	55.620 MMBTU/HR	
FM01	WASTE OIL STORAGE TANK		
FM02	NATURAL GAS LINE		
FM03	DIESEL FUEL STORAGE TANKS		
FM26	WASTE OIL STORAGE TANK		
FM33	#2 OIL STORAGE TANKS		
FML45	LPG STORAGE TANKS		
S032	BOILER 2 STACK		
S033	BOILER 3 STACK		
S034	WELL MCLAIN 1 STACK		
S035	WELL MCLAIN 2 STACK		
S036	TURBO STACK		
S037	WASTE OIL BURNER STACK		
S039	FURNACE STACKS		
S040	BOILERS STACKS		
S040A	HEATERS STACKS		
S041	BOILER STACK		
S042	BOILER STACK		
S043	HEATER STACK		
S044	HEATERS STACKS		
S045	SOURCES STACKS		
S046	BOILER STACK		
S047	JUSTIN DRIVE STACKS		
S048	MILL STREET STACKS		
S050	FOOD SERVICES STACKS		
S051	PINE BARN INN STACKS		
S052	HUGHES CENTER STACKS		
S053	JUSTIN DRIVE 2 STACKS		
S054	CLEAVER BROOKS BOILER STACK		
S055	1 MONTOUR STREET STACKS		
S056	VITALINE STACKS		
S057	BUCHERT STACK		
S105	GENERATOR STACK		
S105A	DIESEL GENERATOR STACKS		
S121	EMERGENCY GENERATOR STACK		
S121A	NATURAL GAS GENERATOR STACKS		
S201	HEAT RECOVERY STEAM GENERATING UNIT STACK		
Z01	MISC CHEMICALS		

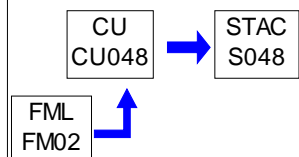
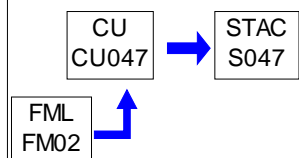
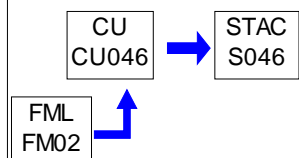
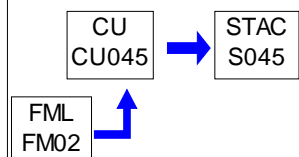
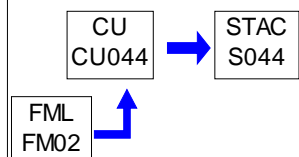
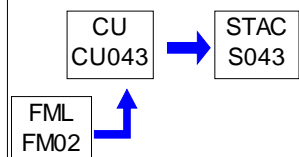
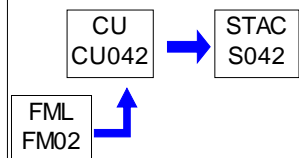
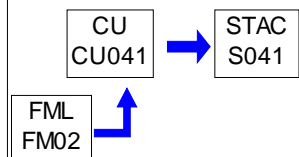
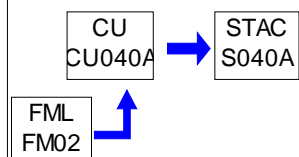


## PERMIT MAPS



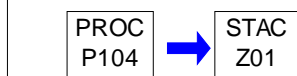
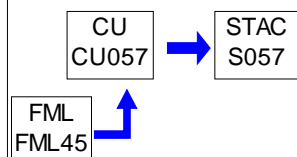
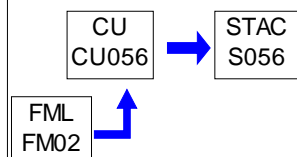
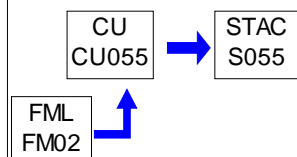
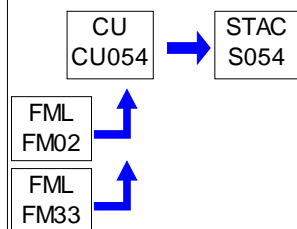
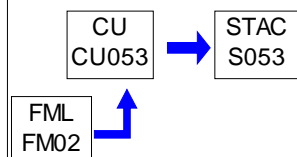
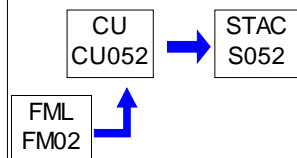
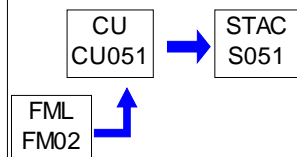
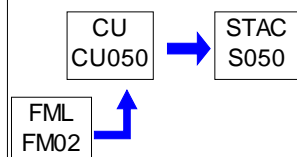


## PERMIT MAPS





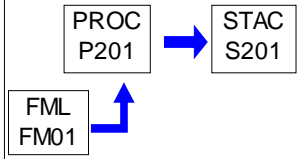
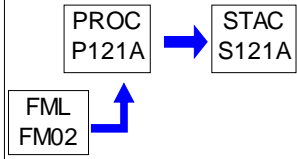
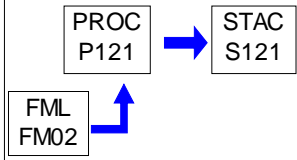
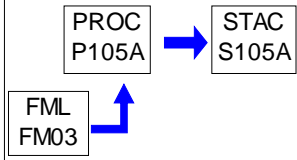
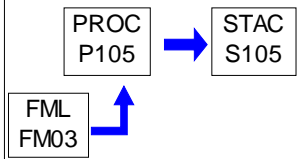
## PERMIT MAPS







### PERMIT MAPS



**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

**#002 [25 Pa. Code § 127.446]****Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

**#004 [25 Pa. Code § 127.703]****Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

**#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]****Transfer of Operating Permits.**

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

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

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

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

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

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

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

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

**#008 [25 Pa. Code § 127.441]****Need to Halt or Reduce Activity Not a Defense.**

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

**#009 [25 Pa. Code §§ 127.442(a) & 127.461]****Duty to Provide Information.**

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

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

**#010 [25 Pa. Code § 127.461]****Revising an Operating Permit for Cause.**

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

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

**#011 [25 Pa. Code §§ 127.450 & 127.462]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

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

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

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

**#012 [25 Pa. Code § 127.441]****Severability Clause.**

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

**#013 [25 Pa. Code § 127.449]****De Minimis Emission Increases.**

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
  - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
  - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
  - (4) Space heaters which heat by direct heat transfer.
  - (5) Laboratory equipment used exclusively for chemical or physical analysis.
  - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
  - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
  - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

**#014 [25 Pa. Code § 127.3]****Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

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

**#015 [25 Pa. Code § 127.11]****Reactivation**

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

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

**#016 [25 Pa. Code § 127.36]****Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

**#017 [25 Pa. Code § 121.9]****Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

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

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

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

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

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

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

**#021 [25 Pa. Code § 127.441(a)]****Property Rights.**

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

**#022 [25 Pa. Code § 127.447]****Alternative Operating Scenarios.**

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



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

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

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

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

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

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

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (a) The emissions are of minor significance with respect to causing air pollution.
  - (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in condition #001 above if the emissions are visible at the point the emissions pass outside the person's property.

**# 003 [25 Pa. Code §123.41]****Limitations**

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

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

**# 004 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of 25 Pa Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emissions results from sources specified in 25 Pa Code Section 123.1(a)(1)-(9).

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

The combined total emissions of nitrogen oxides, expressed as NO<sub>2</sub>, from all exempt engines shall be less than 6.6 tons

**SECTION C. Site Level Requirements**

in any 12 consecutive month period, 2.75 during the ozone season (May 1 through September 30), 1000 pounds per day, and 100 pounds per hour.

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

[This permit condition establishes the Synthetic Minor limitations, as elected by the permittee]

(a) Sulfur Oxides (SO<sub>x</sub>) emissions from all sources that are located at, or are part of, the facility (GEISINGER MED CTR/DANVILLE) shall not equal or exceed 100 tons in any 12 consecutive month period.

(This condition imposes a combined total emissions limitation (facility-wide emissions cap) of 99 tons of SO<sub>x</sub> in any 12 consecutive month period, as applicable to all sources associated with the facility. The permittee shall ensure that the SO<sub>x</sub> emissions from all sources that are located at, or are part of, the facility are less than or equal to 99 tons in any 12 consecutive month period.)

(b) Nitrogen Oxides (NO<sub>x</sub>) emissions from all sources that are located at, or are part of, the facility (GEISINGER MED CTR/DANVILLE) shall not equal or exceed 100 tons in any 12 consecutive month period.

(This condition imposes a combined total emissions limitation (facility-wide emissions cap) of 99 tons of NO<sub>x</sub> in any 12 consecutive month period, as applicable to all sources associated with the facility. The permittee shall ensure that the NO<sub>x</sub> emissions, expressed as NO<sub>2</sub>, from all sources that are located at, or are part of, the facility are less than or equal to 99 tons in any 12 consecutive month period.)

**Fuel Restriction(s).****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall not permit the use of No. 2 fuel oil in a combustion unit, as defined in 25 Pa. Code section 121.1, if the fuel contains sulfur in excess the applicable maximum allowable sulfur content set forth below, as derived from 25 Pa. Code section 123.22. All deliveries of No. 2 fuel oil for the combustion units associated with the facility shall be in conformance with following regulatory standard.

500 ppm (0.05%) for No. 2 and lighter oil

Maximum Allowable Sulfur Content Beginning July 1, 2016, Expressed as Parts per Million (ppm) by Weight or Percentage by Weight. Grades Commercial Fuel Oil (Consistent with ASTM D396)

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

The permittee shall perform tests (in accordance with the provisions of 25 Pa. Code Chapter 139) or provide a fuel analysis report for the percent sulfur by weight of each shipment of No. 2 oil delivered to the facility;

OR

The permittee shall provide a fuel analysis report obtained from the supplier once a year stating that the sulfur percentage for each shipment of fuel delivered to the facility during the year shall not exceed 0.5% sulfur by weight for #2 and lighter fuel oil.

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

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

**SECTION C. Site Level Requirements**

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

(c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.

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

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

(e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual, or the Source Testing Section / Frequently Asked Questions (FAQs) document. These can be found online at the following url:

<https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/SourceTesting/Pages/default.aspx>

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

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

**# 010 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

**# 011 [25 Pa. Code §139.11]****General requirements.**

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa.. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.

**SECTION C. Site Level Requirements**

- (2) Process conditions, for example, the charging rate of raw materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), oxygen (O<sub>2</sub>) and nitrogen (N<sub>2</sub>)), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

**III. MONITORING REQUIREMENTS.****# 012 [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 certified, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect for visible emissions, fugitive visible emissions and malodorous air emissions. Weekly inspections are necessary to determine:

- (1) the presence of visible emissions,
- (2) the presence of fugitive visible emissions,
- (3) the presence of malodors beyond the plant property boundaries.

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

(a) The permittee shall maintain a logbook of weekly facility inspections performed. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of visible emissions limitations, visible fugitive emissions limitations and malodorous air emissions limitations, and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences.

(b) These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

The permittee shall keep records of tests or fuel analysis reports of the percent sulfur by weight for each delivery of No. 2 fuel oil at a source associated with the facility,

**SECTION C. Site Level Requirements**

OR

The permittee shall keep records of fuel analysis reports obtained yearly from the No. 2 fuel oil supplier stating that the sulfur percentage for each shipment of No. 2 fuel oil delivered to the facility during the year shall not exceed 0.05% sulfur by weight.

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

a) The permittee shall keep records of calculations used to verify compliance with the sulfur oxides (SO<sub>x</sub>) emission limitation in any 12 consecutive month period.

(For each calendar month, the permittee shall maintain monthly records to verify that the sum of the monthly emissions of SO<sub>x</sub>, expressed as SO<sub>2</sub>, from each source at the facility for the previous 12 consecutive months, expressed as a facility-wide, 12-month rolling sum total SO<sub>2</sub> emissions, is less than or equal to 99 tons per year.)

b) The permittee shall keep records of calculations used to verify compliance with the nitrogen oxides (NO<sub>x</sub>) emission limitation in any 12 consecutive month period.

(For each calendar month, the permittee shall maintain monthly records to verify that the sum of the monthly emissions of NO<sub>x</sub>, expressed as NO<sub>2</sub>, from each source at the facility for the previous 12 consecutive months, expressed as a facility-wide, 12-month rolling sum total NO<sub>2</sub> emissions, is less than or equal to 99 tons per year.)

c) The permittee shall retain the above records, including the intermediate emissions calculations and other supporting documentation, such as required monitoring data, for at least five (5) years and shall make them available to the Department upon request

**# 017 [25 Pa. Code §135.5]****Recordkeeping**

The permittee shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with Sections 135.3 and 135.21 (relating to reporting; and emission statements). These 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.

**V. REPORTING REQUIREMENTS.****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall submit to the Air Program Manager of the DEP North-Central Regional Office at the following address all requests, reports, applications, submittals, and other communications concerning applicable federal NSPS and NESHAP requirements.

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

(b) Copies of all requests, reports, applications, submittals and other communications required by an applicable NSPS or NESHAP rulemaking shall also be submitted to the U. S. Environmental Protection Agency (EPA) via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

U.S. EPA, Region III  
Office of Air Enforcement and Compliance Assistance (3AP20)  
1650 Arch Street  
Philadelphia, PA 19103-2029

**SECTION C. Site Level Requirements****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall submit reports to the Department on a semi-annual basis that include for each calendar month in the reporting period the facility-wide, 12-month rolling sum total NOx and SOx emissions records, including the intermediate emissions calculations and other supporting documentation, such as required monitoring data.

(b) The semi-annual reports shall be submitted to the Department by no later than March 1 for the reporting period January 1 through December 31 of the preceding year and September 1 for the reporting period beginning on July 1 of the preceding year through June 30 of the concurrent year.

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

Upon request by the Department, the permittee shall submit all requested reports in accordance with the Department's suggested format.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate

**SECTION C. Site Level Requirements**

DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

**VI. WORK PRACTICE REQUIREMENTS.****# 022 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions for any source specified in 25 Pa Code Section 123.1(a)(1-9) to prevent particulate matter from becoming airborne. These actions shall include, but not limited to, the following:

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

**VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act (The Air Pollution Control Act (35 P.S. Section 4001-4015)).

**# 024 [25 Pa. Code §123.31]****Limitations**

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

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emissions of greenhouse gases, expressed as CO<sub>2</sub>e, from all sources at this facility (GEISINGER MED CTR/DANVILLE) shall not equal or exceed 100,000 tons in any 12 consecutive month period.

**# 026 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

**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: CU032

Source Name: CLEAVER BROOKS BOILER 2

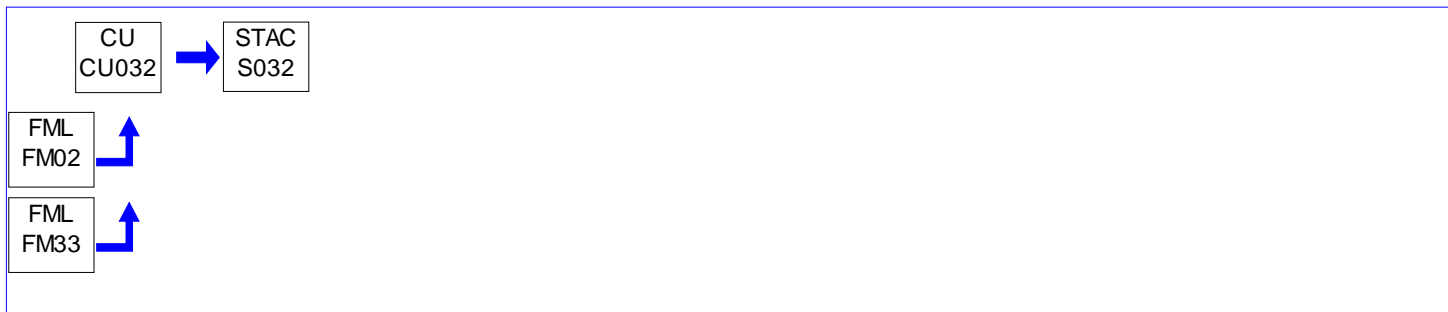
Source Capacity/Throughput: 38.000 MMBTU/HR

38,000.000 CF/HR

Natural Gas

271.400 Gal/HR

#2 Oil

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID CU032 in excess of 0.4 pounds per million Btu of heat input.

**# 002 [25 Pa. Code §123.22]****Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from Source ID CU032 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

Source ID CU032 shall only be fired on gas (natural or LP). No. 2 fuel oil which is containing no reclaimed or waste oil or other added waste materials may be used in accordance with the Area Source Boiler NESHAP definition for gas-fired boiler (40 CFR section 63.11237), as copied below.

Any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or for periodic testing, maintenance, or operator training on liquid fuel. Periodic testing, maintenance, or operator training on liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

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

All deliveries of No. 2 fuel oil for the combustion unit/boiler associated with Source ID CU032 at the facility shall be in conformance with following regulatory standard, as derived from 25 Pa. Code section 123.22.

500 ppm (0.05%), by weight

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall maintain records to demonstrate compliance with the Area Source Boiler NESHAP. The records shall include sufficient information and data to demonstrate that the permittee has continually operated the boiler associated with Source ID CU032 in manner that is consistent with the Area Source Boiler NESHAP definition for gas-fired boiler, as found in 40 CFR section 63.11237 and above (Source ID CU032 condition #003).

**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.**

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

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

Source ID CU032 is a # 2 oil/natural gas fired Cleaver Brooks boiler rated at 38 MMBtu/hr., model D-52 Serial #WL-1503.

**SECTION D. Source Level Requirements**

Source ID: CU033

Source Name: CLEAVER BROOKS BOILER 3

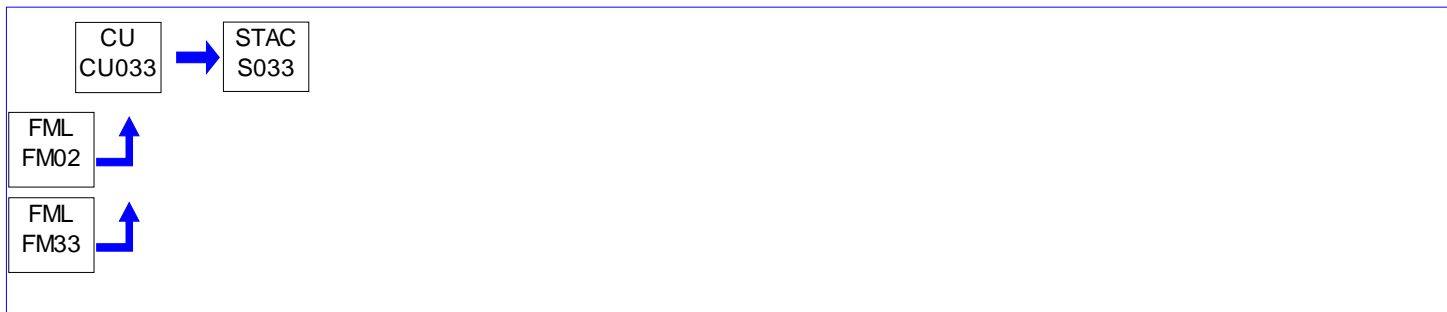
Source Capacity/Throughput: 38.000 MMBTU/HR

38,000.000 CF/HR

Natural Gas

271.400 Gal/HR

#2 Oil

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

# 001 [25 Pa. Code §123.11]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID CU033 in excess of 0.4 pounds per million Btu of heat input.

# 002 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from Source ID CU033 in excess of the rate of 4 pounds per million Btu of heat input.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

All deliveries of No. 2 fuel oil for the combustion unit/boiler associated with Source ID CU033 at the facility shall be in conformance with following regulatory standard, as derived from 25 Pa. Code section 123.22.

500 ppm (0.05%), by weight

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU033 shall only be fired on gas (natural or LP). No. 2 fuel oil which is containing no reclaimed or waste oil or other added waste materials may be used in accordance with the Area Source Boiler NESHAP definition for gas-fired boiler (40 CFR section 63.11237), as copied below.

Any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or for periodic testing, maintenance, or operator training on liquid fuel. Periodic testing, maintenance, or operator training on liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall maintain records to demonstrate compliance with the Area Source Boiler NESHAP. The records shall include sufficient information and data to demonstrate that the permittee has continually operated the boiler associated with Source ID CU033 in manner that is consistent with the Area Source Boiler NESHAP definition for gas-fired boiler, as found in 40 CFR section 63.11237 and above (Source ID CU033 condition #004).

**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.**

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

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

Source ID CU033 is a # 2 oil/natural gas fired Cleaver Brooks boiler rated at 38 MMBtu/hr., model D-52 Serial #WL-1504.

**SECTION D. Source Level Requirements**

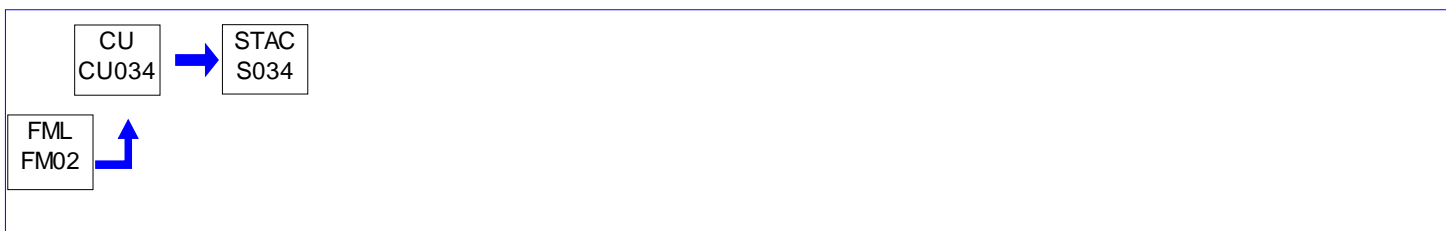
Source ID: CU034

Source Name: WELL MCLAIN BOILER 1 AT KNAPPER CLINIC

Source Capacity/Throughput: 1.000 MMBTU/HR

1,000.000 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from Source ID CU034 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU034 shall only be fired on gas (natural or LP).

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU034 is a natural gas fired Well McLain boiler rated at 1 MMBtu/hr., model WR8-G0-05.

**SECTION D. Source Level Requirements**

Source ID: CU035

Source Name: WELL MCLAIN BOILER 2 AT KNAPPER CLINIC

Source Capacity/Throughput: 1.000 MMBTU/HR

1,000.000 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from Source ID CU035 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU035 shall only be fired on gas (natural or LP).

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU035 is a natural gas fired Well McLain boiler rated at 1 MMBtu/hr., model WR8-G0-05.

**SECTION D. Source Level Requirements**

Source ID: CU036

Source Name: NATURAL GAS-FIRED TURBO WATER HEATER

Source Capacity/Throughput: 0.100 MMBTU/HR

120.000 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU036 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Each heater of Source ID CU036 shall only be fired on gas (natural or LP).

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU036 consists of the following:

**SECTION D. Source Level Requirements**

(a) One (1) natural gas-fired water heater, Turbo Model SBT75 120 NE8 F, rated at 0.12 MMBtu/hr.



**SECTION D. Source Level Requirements**

Source ID: CU037

Source Name: COMBUSTION SOURCES AT GARAGE

Source Capacity/Throughput: 0.700 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU037 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour 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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

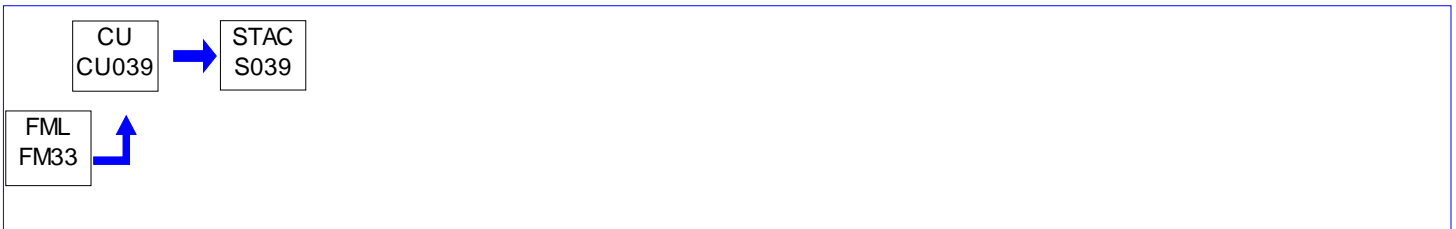
Source ID CU037 consists of two (2) combustion sources fired on waste or spent oils, each is a Clean Burn Energy Systems model CB-3500 furnace with output rating equal to approximately 0.35 MMBtu per hour. These units are located in the Garage with two (2) small gas heaters.

**SECTION D. Source Level Requirements**

Source ID: CU039

Source Name: FURNACES AT BELL AND BUHERT PROPERTIES

Source Capacity/Throughput: 0.375 MMBTU/HR

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with source ID CU039 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The sulfur content of the fuel used in any furnace associated with source ID CU039 shall not, at any time, exceed 0.5% (by weight).

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU039 consists of the following:

**SECTION D. Source Level Requirements**

A Burnham model V-713-T furnace rated at 0.089 MMBtu/hr located at Bell; and

A Peerless model EC/ECT-05-250-W/S furnace rated at 0.286 MMBtu/hr - This source was removed per 2019 State Only permit renewal application.

**SECTION D. Source Level Requirements**

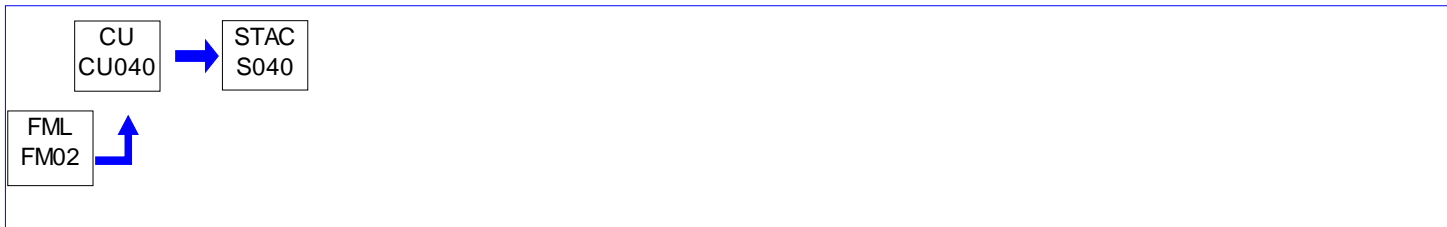
Source ID: CU040

Source Name: NATURAL GAS-FIRED BOILERS AT WOODBINE

Source Capacity/Throughput: 24.000 MMBTU/HR

24,000.000 CF/HR

Natural Gas

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

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from any boiler associated with Source ID CU040 in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only use gas (natural or LP) as fuel to operate the boilers associated with Source ID CU040.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU040 consists of the following boilers installed at the Woodbine location:

**SECTION D. Source Level Requirements**

- 1) Three (3) Cleaver Brooks model FLX boilers and each rated at 2.5 MMBtu/hr;
- 2) Two (2) Cleaver Brooks model FLX700-600 units and each rated at 6.0 MMBtu/hr; and
- 3) A Cleaver Brooks model FLX700-450 unit rated at 4.5 MMBtu/hr.

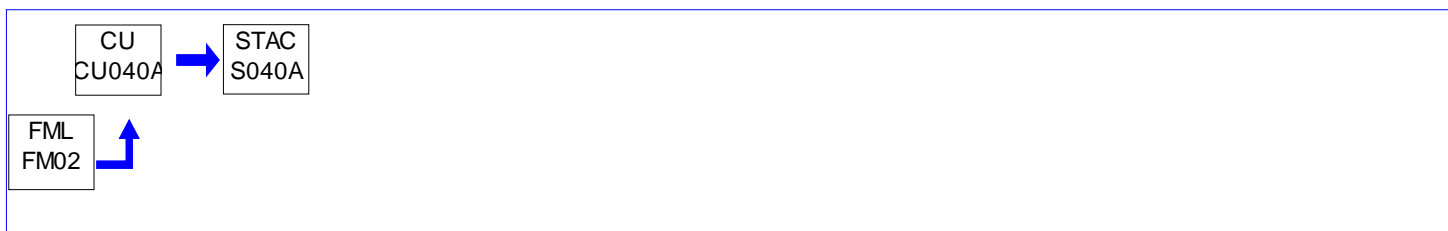
**SECTION D. Source Level Requirements**

Source ID: CU040A

Source Name: NATURAL GAS COMBUSTION SOURCES AT WOODBINE

Source Capacity/Throughput:

2.600 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with source ID CU040A in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour 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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU040A consists of the following:

Two (2) Water Heaters, each is a Aerco KC model AR-554117 unit rated at 1.0 MMBtu/hr;

Two (2) Humidifiers, each is a Armstrong model GFH-150 unit rated at 0.21 MMBtu/hr; and

A Pool Heater, a Raynard model P-R185B-EN unit rated at 0.181 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: CU041

Source Name: NATURAL GAS COMBUSTION SOURCES AT FOSS HOME

Source Capacity/Throughput: 0.600 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU041 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour 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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU041 shall consist of the following natural gas-fired boilers and other natural gas combustion sources:

Two (2) Boilers, each boiler (model KBN211 unit) is rated at 0.21 MMBtu/hr;

A Water Heater, A.O. Smith model 1501000 unit rated at 0.15 MMBtu/hr; and

Three (3) Ovens/Stoves (1 Vulcan unit and 2 Garland units).

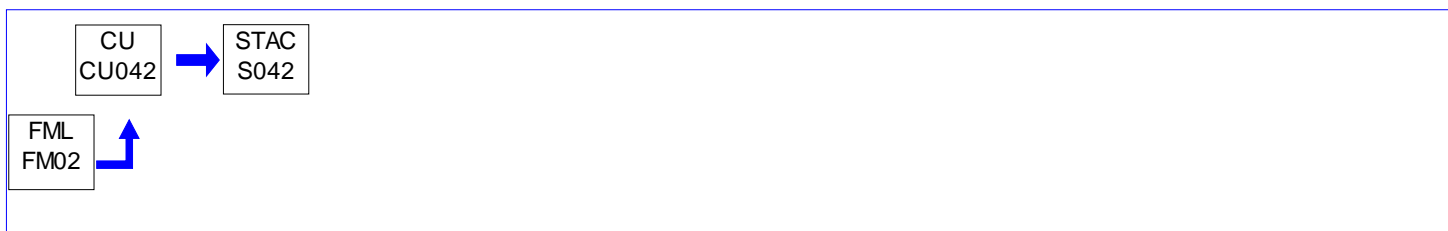
**SECTION D. Source Level Requirements**

Source ID: CU042

Source Name: NATURAL GAS-FIRED BOILER AT PARTIAL HOSPITALIZATION

Source Capacity/Throughput:

0.195 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the boiler associated with Source ID CU042 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour 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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU042 is a Boiler, a Peerless model MI-07-SV-WPC unit rated at 0.195 MMBtu/hr.



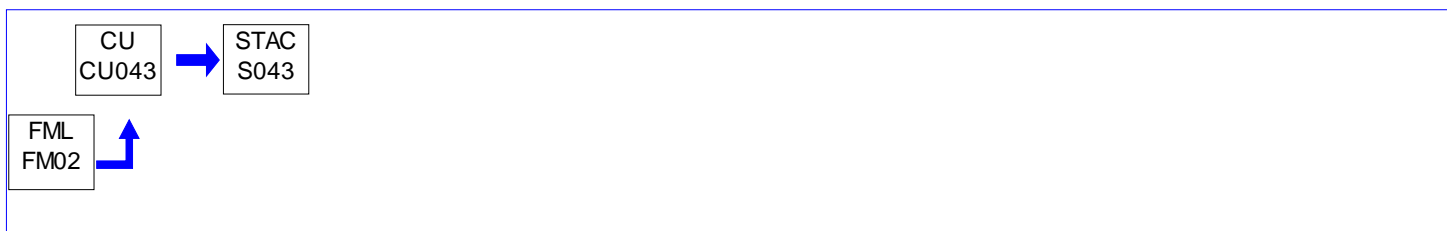
**SECTION D. Source Level Requirements**

Source ID: CU043

Source Name: NATURAL GAS HEATER AT GSS CONSTRUCTION

Source Capacity/Throughput:

0.110 MMBTU/HR

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU043 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour 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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

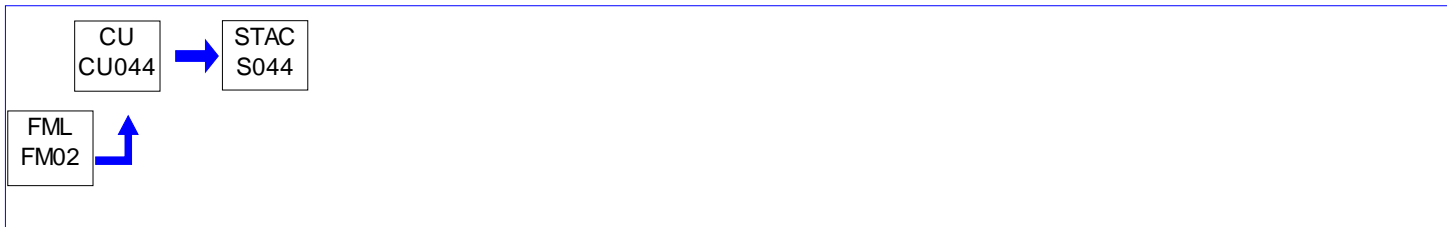
Source ID CU043 is a Heater, a Perfection-Schwank model STSP110-40 unit rated at 0.11 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: CU044

Source Name: COMBUSTION SOURCES AT MCBRIDE

Source Capacity/Throughput: 0.934 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU044 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour 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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU044 shall consist of the following:

Two (2) Furnaces (East End and West End), each is a York Air Handlers model ZJ180N32PYAAA2A unit rated at 0.4 MMBtu/hr;

A Furnace, a Champion model TG9S100C20MP118 unit rated at 0.1 MMBtu/hr; and

A Water Heater, a Rheem model XG40SGEC34UC unit rated at 0.034 MMBtu/hr

**SECTION D. Source Level Requirements**

Source ID: CU045

Source Name: CABINET INDUSTRIES COMBUSTION SOURCES

Source Capacity/Throughput: 6.750 MMBTU/HR

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

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with source ID CU045 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour 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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU045 shall consist of the following:

Two (2) Air Handlers, one is a York Air Handlers model DF078N15N2AAA3 unit rated at 0.15 MMBtu/hr, and one is a York Air Handlers model DH090N15A2AAA6 unit rated at 0.15 MMBtu/hr;

25 Space Heaters, 22 of which are Reznor units (model varies), and three (3) are Dayton units (model varies), each of these is rated at 0.4 MMBtu/hr or less; and

**SECTION D. Source Level Requirements**

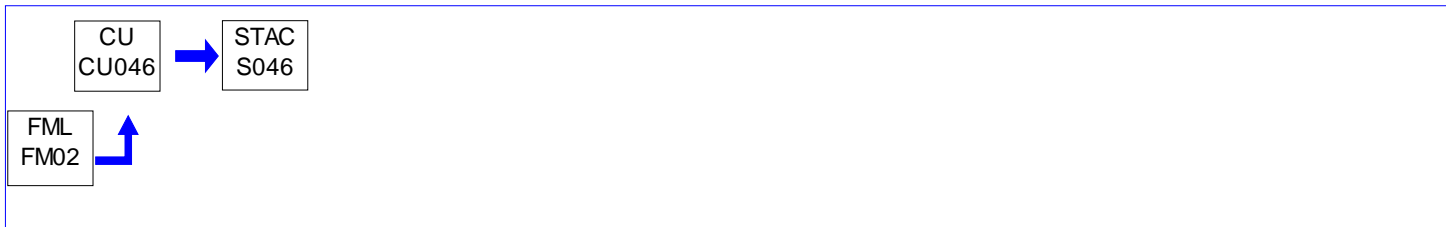
12 Radiant Heaters, two (2) of which are Sun Tech units, each rated at 0.1 MMBtu/hr, ten (10) Gordon Ray units, each rated at 0.075 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: CU046

Source Name: BOILER FOR ADVANCED MEDICINE HOSPITAL

Source Capacity/Throughput: 11.800 MMBTU/HR

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

**# 002 [25 Pa. Code §123.22]****Combustion units**

Combustion units in nonair basin areas must conform with the following:

(1) General provision. A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code sections 127.1 and 127.12, the stack concentration from the boiler associated with Source ID CU046 of each pollutant, below shall not be in excess of the emission limitations, as follows:

30 ppm<sub>dv</sub> NO<sub>x</sub> at 3% O<sub>2</sub>; and

300 ppm<sub>dv</sub> CO at 3% O<sub>2</sub>.

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

The permittee shall only use natural gas supplied by a public utility to fire the boiler associated with Source ID CU046.

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

If, at any time, the Department has cause to believe that air contaminant emissions from the boiler associated with Source ID CU046 are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the permittee shall conduct tests deemed necessary by the Department to determine the actual emission rate(s).

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

**SECTION D. Source Level Requirements**

[Authority for this permit condition is also derived from the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as codified in Part 60 Subpart Dc, sections 60.40c through 60.48c, in Title 40 of the CFR]

In accordance with 40 CFR 60.48c(g)(2), the permittee shall operate a functioning fuel meter, at all times of operation of Source ID CU046, to monitor the natural gas fuel usage (mmcf) of the boiler associated Source ID CU046.

**IV. RECORDKEEPING REQUIREMENTS.**

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

[Authority for this permit condition is also derived from the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as codified in Part 60 Subpart Dc, sections 60.40c through 60.48c, in Title 40 of the CFR]

In accordance with 40 CFR 60.48c(g)(2), the permittee shall maintain monthly records of the total natural gas fuel usage of Source ID CU046 in each calendar month, as derived from monthly readings of the fuel meter, at least.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

Source ID CU046 and its Best Available Technology, as established pursuant to the GP-1, including the low NO<sub>x</sub> burner and flue gas recirculation (FGR) equipment, shall be:

- a. Operated by the permittee in such a manner as not to cause air pollution;
- b. Operated and maintained by the permittee in a manner consistent with good operating and maintenance practices; and
- c. Operated and maintained by the permittee in accordance with the manufacturer's specifications and the applicable terms and conditions, herein.

**VII. ADDITIONAL REQUIREMENTS.**

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

(a) Source ID CU046 (Boiler #4) is a natural gas-fired Boiler constructed under a GP-1 authorization from 2009. Boiler #4 is a Miura Steam Boiler model LX-300SG unit rated at 11.8 MMBtu/hr and located in the Boiler House. All applicable requirements from the GP-1 are incorporated.

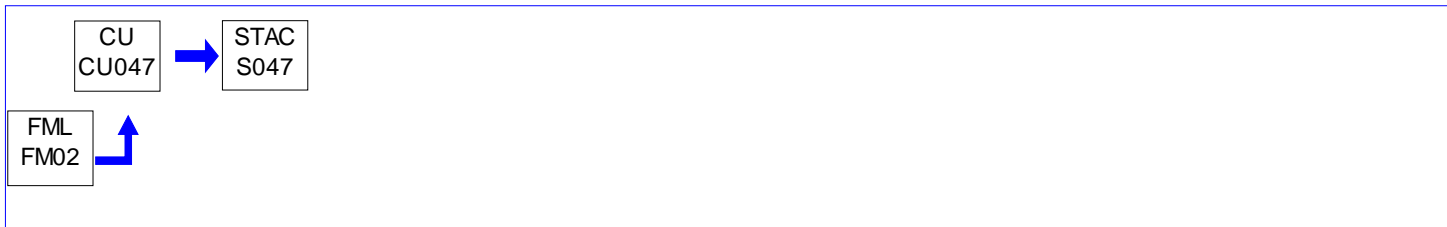
(b) Source ID CU046 is subject to the Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units as codified in 40 CFR Part 60 Subpart Dc. The permittee shall comply with all applicable requirements pertaining to Source ID CU046, as specified in 40 CFR sections 60.40c through 60.48c.

**SECTION D. Source Level Requirements**

Source ID: CU047

Source Name: JUSTIN DRIVE COMBUSTION SOURCES

Source Capacity/Throughput: 2.200 MMBTU/HR

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU047 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU047 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU047 shall consist of the following natural gas-fired combustion sources:

**SECTION D. Source Level Requirements**

- A Laars Heating Systems model PNCH-1500-NACL2CJN furnace rated at 1.5 MMBtu/hr;
- A Lochinvar model KBN501 furnace rated at 0.5 MMBtu/hr; and
- An A.O. Smith model BTF80200 water heater rated at 0.08 MMBtu/hr.

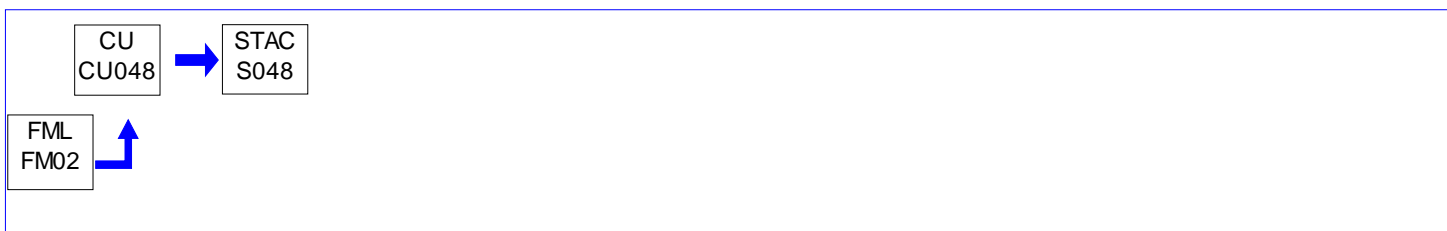


**SECTION D. Source Level Requirements**

Source ID: CU048

Source Name: MILL ST. COMBUSTION SOURCES

Source Capacity/Throughput: 0.900 MMBTU/HR

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU048 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU048 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU048 shall consist of the following natural gas-fired combustion sources:

**SECTION D. Source Level Requirements**

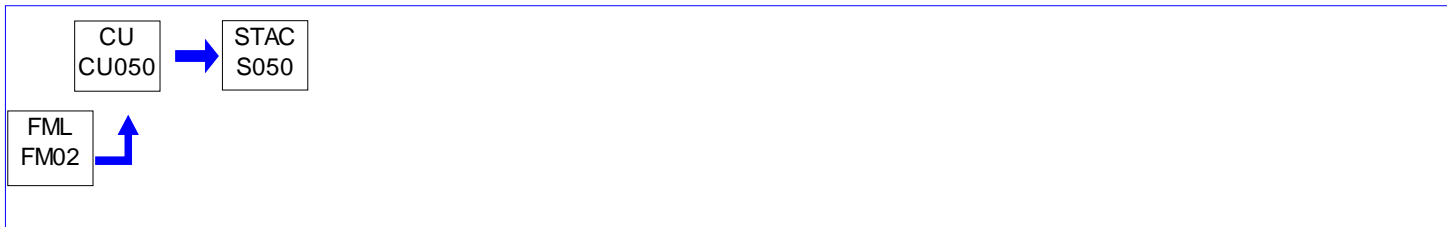
- Two (2) Boilers, each is a Lochinvar model KBN399-M9 unit rated at 0.399 MMBtu/hr; and
- One A.O. Smith 0.080 MMBtu/hr BTF80200 water heater.

**SECTION D. Source Level Requirements**

Source ID: CU050

Source Name: FOOD SERVICES COMBUSTION SOURCES

Source Capacity/Throughput: 5.000 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU050 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID CU050 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU050 consists of fueled equipment used and located at Food Services, such as various ovens, stoves, grills, griddles, steam cookers, etc. The total hourly capacity (MMBtu/hr) of all these natural gas combustion sources is equal to

**SECTION D. Source Level Requirements**

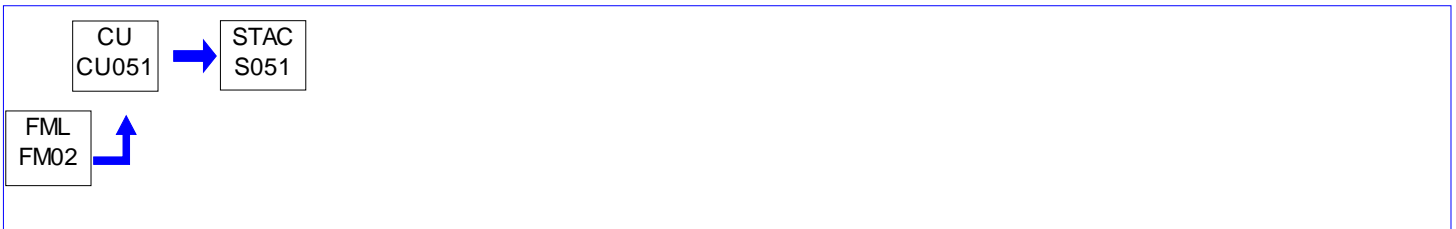
approximately 5 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: CU051

Source Name: PINE BARN INN COMBUSTION SOURCES

Source Capacity/Throughput: 5.400 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU051 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID CU051 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU051 consists of various natural gas combustion sources and other fueled equipment, such as deep fryers, grills, ovens, clothes dryer, etc., that are used and located at Pine Barn Inn. The total hourly capacity of all fueled equipment

**SECTION D. Source Level Requirements**

associated with Source ID CU051 is equal to approximately 5.4 MMBtu/hr. The combustion sources and/or units are, as follows:

Four (4) Boilers, two (2) of which are identical Burnham model ALP399 units rated at 0.399 MMBtu/hr (each), and the other two (2) are Weil McLain model LGB-6 units rated at 0.65 MMBtu/hr (each);

Three (3) Water Heaters, two of which are identical Weil McLain model CG-7-SPDN unit rated at 0.21 MMBtu/hr (each), and a A.O. Smith model 199200 unit rated at 0.199 MMBtu/hr;

Seven (7) Rooftop HVAC Units, four of which are Johnson Control units rated to less than or equal to 0.18 MMBtu/hr (each), a Carrier unit rated at 0.18 MMBtu/hr, a Rheem unit rated at 0.135 MMBtu/hr, a Geenheck unit rated at 0.05 MMBtu/hr; and

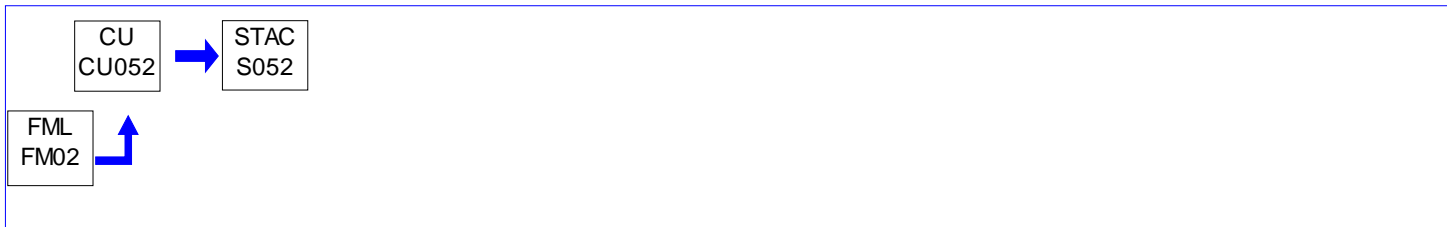
A Reznor model F75-3 Heater rated at 0.075 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: CU052

Source Name: HUGHES CENTER COMBUSTION SOURCES

Source Capacity/Throughput: 5.000 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU052 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID CU052 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU052 shall consist of the following natural gas combustion sources:

**SECTION D. Source Level Requirements**

- Two (2) Water Heaters, One 0.036 MMBtu/hr RUDD and One 0.036 MMBtu/hr Rheem;
- Two 1.0 MMBtu/hr Trane Rooftop HVAC Units;
- Eight 0.25 MMBtu/hr Carrier Rooftop HVAC Units;
- One 0.18 MMBtu/hr Carrier Rooftop HVAC Unit; and
- Two 0.35 MMBtu/hr Trane Rooftop HVAC Units



**SECTION D. Source Level Requirements**

Source ID: CU053

Source Name: JUSTIN DRIVE 2 COMBUSTION SOURCES

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

No person may permit the emission into the outdoor atmosphere of particulate matter from any combustion unit of Source ID CU053 in excess of the rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

**# 002 [25 Pa. Code §123.22]****Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU053 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

Source ID CU053 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID CU053 consists of the following natural gas combustion sources:

- Two 2.600 MMBtu/hr Hydrotherm KN-26 Boilers; and
- One 0.240 MMBtu/hr A.O. Smith BTH-250 Water Heater

**SECTION D. Source Level Requirements**

Source ID: CU054

Source Name: CLEAVER BROOKS BOILER #6

Source Capacity/Throughput: 24.500 MMBTU/HR

24,014.000 CF/HR

Natural Gas

175.000 Gal/HR

#2 Oil

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

**# 002 [25 Pa. Code §123.22]****Combustion units**

Combustion units in nonair basin areas must conform with the following:

(1) General provision. A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code sections 127.1 and 127.12, the stack concentration from the boiler associated with Source ID CU0054 of each pollutant, below shall not be in excess of the emission limitations, as follows:

30 ppm<sub>d</sub>v NO<sub>x</sub> at 3% O<sub>2</sub> when firing gas;

90 ppm<sub>d</sub>v NO<sub>x</sub> at 3% O<sub>2</sub> when firing No. 2 fuel oil; and

300 ppm<sub>d</sub>v CO at 3% O<sub>2</sub>.

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

The permittee shall only use natural gas supplied by a public utility to fire the boiler associated with Source ID CU046. No. 2 commercial fuel oil to which there has been no reclaimed or waste oil or other waste materials added may also be used in accordance with the Area Source Boiler NESHAP definition for gas-fired boiler, as found in 40 CFR section 63.11237)

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

If, at any time, the Department has cause to believe that air contaminant emissions from the boiler associated with Source

**SECTION D. Source Level Requirements**

ID CU054 are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the permittee shall conduct tests deemed necessary by the Department to determine the actual emission rate(s).

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

[Authority for this permit condition is also derived from the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as codified in Part 60 Subpart Dc, sections 60.40c through 60.48c, in Title 40 of the CFR]

In accordance with 40 CFR 60.48c(g)(2), the permittee shall operate a functioning fuel meters, at all times of operation of Source ID CU054, to monitor fuel usage of the boiler associated Source ID CU054.

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

[Authority for this permit condition is also derived from the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as codified in Part 60 Subpart Dc, sections 60.40c through 60.48c, in Title 40 of the CFR]

In accordance with 40 CFR 60.48c(g)(2), the permittee shall maintain monthly records of the total amount of each fuel used or combusted during each calendar month for the boiler associated with Source ID CU054, as well as sufficient information and data to demonstrate that the permittee has continually operated the boiler in manner that is consistent with the Area Source Boiler NESHAP definition for gas-fired boiler, as found in 40 CFR section 63.11237.

**V. REPORTING REQUIREMENTS.**

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

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

Source ID CU054 and its Best Available Technology, as established pursuant to the GP-1, including the low NO<sub>x</sub> burner and flue gas recirculation (FGR) equipment, shall be:

- a. Operated by the permittee in such a manner as not to cause air pollution;
- b. Operated and maintained by the permittee in a manner consistent with good operating and maintenance practices; and
- c. Operated and maintained by the permittee in accordance with the manufacturer's specifications and the applicable terms and conditions, herein.

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

(a) Source ID CU054 is a dual fuel Boiler constructed under a GP-1 authorization from 2016. This boiler is a Cleaver Brooks model CBEX-E200-600-150ST unit rated at 24.5 MMBtu/hr. All applicable requirements from the GP-1 are incorporated.

(b) Source ID CU054 is subject to the Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units as codified in 40 CFR Part 60 Subpart Dc. The permittee shall comply with all applicable requirements pertaining to Source ID CU054, as specified in 40 CFR sections 60.40c through 60.48c.

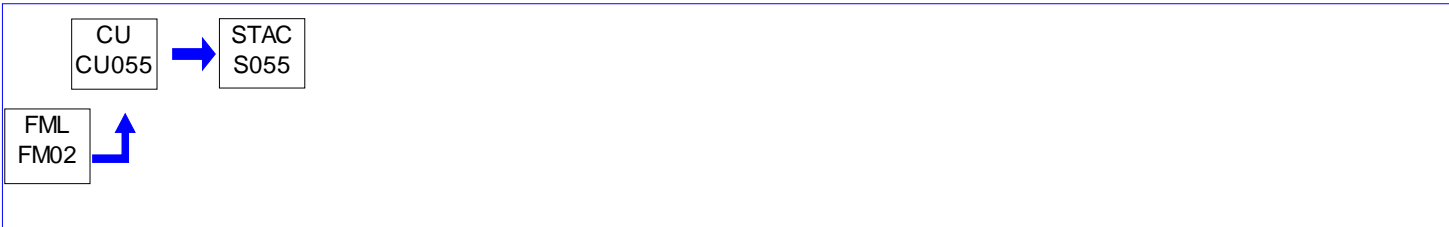


**SECTION D. Source Level Requirements**

Source ID: CU055

Source Name: 1 MONTOUR STREET COMBUSTION SOURCES

Source Capacity/Throughput: 13.100 MMBTU/HR



**I. RESTRICTIONS.**

**Emission Restriction(s).**

**# 001 [25 Pa. Code §123.22]**  
**Combustion units**  
 No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU055 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

**# 002 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 Source ID CU055 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 003 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 Source ID CU055 consists of various natural gas combustion sources and/or units that are used and located at 1 Montour Street. The total hourly capacity of all fueled equipment associated with Source ID CU055 is equal to approximately 13.1

**SECTION D. Source Level Requirements**

MMBtu/hr. The combustion sources and/or units are, as follows:

Seven (7) Carrier rooftop HVAC units (various models), each rated at less than or equal to 0.24 MMBtu/hr; and

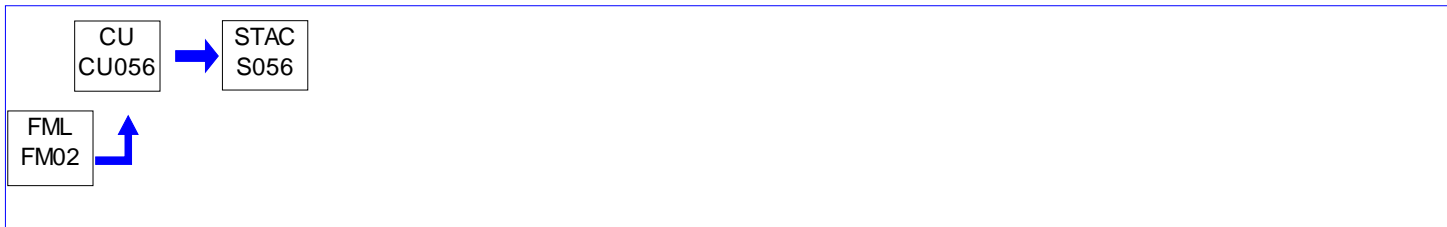
Two (2) Boilers, each is a York-Shipley model SPLC150-N2-94573 unit rated at 5.74 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: CU056

Source Name: VITALINE COMBUSTION SOURCES

Source Capacity/Throughput: 1.300 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU056 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID CU056 shall only be fired on natural gas.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID CU056 consists of various natural gas combustion sources that are used and located at Vitaline. The total hourly capacity of all fueled equipment associated with Source ID CU056 is equal to approximately 1.3 MMBtu/hr. The combustion

**SECTION D. Source Level Requirements**

sources and/or units are, as follows:

Nine (9) Carrier rooftop HVAC units (various models), each is rated at less than or equal to 0.18 MMBtu/hr;

A Reznor model FE-75 Heater rated at 0.075 MMBtu/hr; and

A Bradford White model MI30S6FBN Water Heater rated at 0.03 MMBtu/hr.



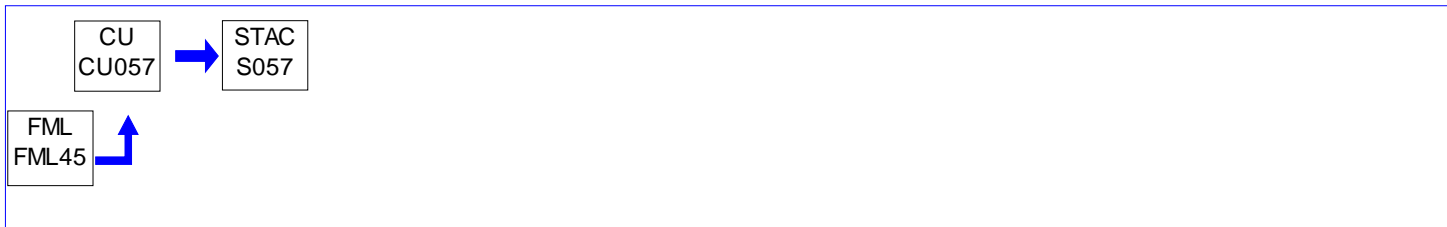
**SECTION D. Source Level Requirements**

Source ID: CU057

Source Name: BUCHERT FURNACE

Source Capacity/Throughput:

0.299 MMBTU/HR

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit associated with Source ID CU057 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID CU051 shall only be fired on propane or LPG.

**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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

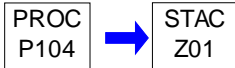
Source ID CU057 is the Well McLain model Ultra 299-CT furnace located at Buchert and rated at 299,000 Btu/hr.

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: LABORATORY AND STAINING MACHINE CHEMICALS USAGE

Source Capacity/Throughput:

**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 accurately measure the amount of chemicals used in the laboratories associated with source ID P104.

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

The permittee shall keep accurate and comprehensive records of the following;

- (1) The amount of each chemical used on monthly basis
- (2) A description/calculations of the method for measuring the amount of each chemical
- (3) The VOC emissions from each chemical used in the laboratories associated with source ID P104 including all supporting documentation/calculations
- (4) A copy of the material safety data sheet (MSDS) for each chemical used in the laboratories associated with source ID P104.

**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.**

All chemicals used in the laboratories shall be stored in individual appropriate containers that completely seal from the atmosphere.

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

The chemicals used in the laboratories and staining machine(s) associated with source ID P104 consist of the following;

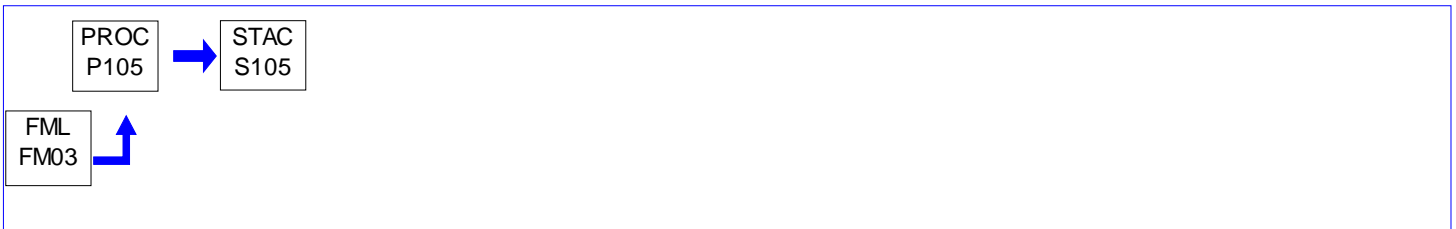
Histoclear  
Ethanol  
Formalin  
Isopropanol  
Methylene Chloride  
Methanol

**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: DIESEL-FIRED GENERATORS

Source Capacity/Throughput: 119.790 Gal/HR #2 Oil

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission from each emergency generator of Source ID P105 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission from each emergency generator of Source ID P105 into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, in the effluent gas is in excess of 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Each generator of Source ID P105 shall only be fired on diesel fuel to which there has been no reclaimed or waste oil or other waste materials added.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The sulfur content of the #2 oil fired by Source ID P105 shall not, at any time, exceed 0.5% by weight.

**Operation Hours Restriction(s).**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The emergency generators included in Source ID P105 shall not operate more than 500 hours in any 12 consecutive month period.

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR §63.6640(f)]

The emergency generator engines included in Source ID P105 shall also comply with the 100 hour/year operational restriction on non-emergency usage as specified in 40 CFR §63.6640(f).

**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.**

# 007 [25 Pa. Code §127.441]

**SECTION D. Source Level Requirements****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §63.6625(f)]

Each of the reciprocating internal combustion engines included in Source ID P105 must be equipped with a non-resettable hour meter.

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

(a) The permittee shall keep records of the number of hours that each emergency generator of Source ID P105 is operated on monthly basis and the supporting calculations used to verify compliance with the operating hour limitation in any 12 consecutive month period.

(b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Authority for this permit condition is also derived from 40 CFR §§63.6655 and 63.6660]

(a) The permittee shall create records pertaining to the emergency generator engines included in Source ID P105 as specified in 40 CFR §§63.6655.

(b) The permittee shall keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.

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

(a) The permittee shall submit on an annual report of the number of hours operated that each emergency generator of Source P105 is operated on a monthly basis and the supporting calculations used to verify compliance with the operating hour limitation in any 12 consecutive month period.

(b) The annual reports shall be submitted to the Department by March 1 for the previous 12 consecutive month period.

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

[Authority for this permit condition is also derived from 40 CFR §63.6605(b)]

At all times the permittee must operate and maintain the emergency generators included in Source ID P105, including associated monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

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

[Authority for this permit condition is also derived from 40 CFR §§63.6603(a), 63.6625(i), and 63.6640(a)]

The permittee shall conduct the following maintenance on each emergency generator engine of Source ID P105:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first; unless the optional oil analysis program in 40 CFR §63.6625(i) indicates the oil does not need to be changed;

**SECTION D. Source Level Requirements**

- (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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

[Authority for this permit condition is also derived from 40 CFR §63.6625(e)(3)]

The permittee shall operate and maintain the reciprocating internal combustion engines included in Source ID P105 according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.

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

Source ID P105 consists of the following emergency generators:

- 1) Generator #1, Plant Engineering generator for emergency power, is a #2 oil-fired Cummins generator, model NTA85563 with a rated power output of 350 kW;
- 2) Generator #6, Abigail generator for emergency power, is a #2 oil-fired Caterpillar generator, model 3512 with a rated power output of 1100 kW;
- 3) Generator #9, Data Center generator for emergency power, is a #2 oil-fired Onan Genset generator, model 1250DFLC with a rated power output of 1250 kW;
- 4) Generator #10, Powerhouse generator for emergency power, is a #2 oil-fired Onan generator, model 350DFCC with a rated power output of 350 kW;
- 5) Generator #11, Children's Hospital generator for emergency power, is a #2 oil-fired Onan generator, model 900DFJC with a rated power output of 900 kW;
- 6) Generator #12, North Zone Pump Room for emergency power, is a diesel-fired Cummings engine, Model #QSX15-G9 with a rated output of 755 brake horsepower-hour;
- 7) Generator #13, Ambulatory Surgical Services for emergency power, is a diesel-fired Caterpillar engine Model #3456DITA with a rated output of 610 brake horsepower-hour;
- 8) Generator #14, Abigail Facility for emergency power, is a diesel-fired Caterpillar engine Model #3508 with a rated output of 1,328 brake horsepower-hour;
- 9) Generator #15, Weis Research for emergency power, is a diesel-fired Caterpillar engine Model #SR48 with a rated output of 1817 brake horsepower-hour; and
- 10) Generator #29, located at Montour Street for emergency power, is a diesel-fired Kohler model 6579B6 unit rated at 100 kW.

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

Source ID P105 is subject to 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all applicable requirements of 40 CFR §§63.6580 through 63.6675.

**SECTION D. Source Level Requirements**

Source ID: P105A

Source Name: NEW DIESEL-FIRED GENERATORS

Source Capacity/Throughput:

**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 any generator engine associated with Source ID P105A in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any generator engine associated with Source ID P105A in a manner that the concentration of sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

[Authority for this permit condition is also derived from 40 CFR Part 60 Subpart III]

The permittee, as an owner and operator of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines, shall comply with the emission standards for new nonroad CI engines in 40 CFR section 60.4202, for all pollutants, for the same model year and maximum engine power for each of the emergency generator engines associated with Source ID P105A.

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

[Authority for this permit condition is also derived from 40 CFR Part 60 Subpart III]

(a) The permittee shall only use diesel fuel to operate each emergency generator engine associated with Source ID P105A. No reclaimed or waste oil or other waste material shall be added to the fuel used by the permittee.

(b) Additionally, the permittee may only use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except as provided in 40 CFR 60.4207(b). Accordingly, the applicable per-gallon standards (from 40 CFR 80.510(b) for all diesel fuel deliveries for each emergency generator engine associated with Source ID P105A are, as follows:

1) 15 ppm maximum; and

2) a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

**Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR Part 60 Subpart III]

The permittee shall operate each emergency generator engine associated with Source ID P105A no more than 100 hours per calendar year for non-emergency purposes including maintenance checks and readiness testing, emergency demand

**SECTION D. Source Level Requirements**

response and non-emergency situations, as outlined in 40 CFR sections 60.4211(f)(2) and (3).

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

The permittee shall operate each emergency generator engine associated with Source ID P105A no more than 500 hours in any 12 consecutive month 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.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR Part 60 Subpart III]

Each of the emergency generator engines associated with Source ID P105A shall be equipped with a functional non-resettable hour meter to monitor its total operating hours.

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

The permittee shall maintain monthly records of the total operating hours for each emergency generator engine associated with Source ID P105A per calendar month, as well as the time of operation of each engine, the reason each engine was in operation during that time, and the total operating hours for each engine on 12-month rolling basis

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

All records and supporting information shall be kept by the permittee for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit annual reports including total operating hours for each emergency generator engine associated with Source ID P105A on a calendar month and 12-month rolling basis.

(b) The annual reports shall be submitted to the Department by March 1 for the reporting period January 1 through December 31 of the previous calendar year.

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

[Authority for this permit condition is also derived from 40 CFR Part 60 Subpart III]

The permittee shall submit annual reports in accordance with 40 CFR section 60.4214(d), as applicable to each emergency generator engine associated with Source ID P105A that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR section 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in 40 CFR section 60.4211(f)(3)(i).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR Part 60 Subpart III]

The permittee shall comply with the emission standards in 40 CFR section 60.4205(b) by purchasing an engine certified to the emission standards for the same model year and maximum engine power. The engine shall be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of 40 CFR 60.4211.

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

Source ID P105A consists of the following diesel-fired emergency engines/generators:

- 1) Generator #18, a Caterpillar model D-40 with an engine power rating equal to 66 hp and was installed at Cabinet Industries in 2008;
- 2) Generator #19, a Caterpillar model 3512C with an engine power rating equal to 2012 hp and was installed at Chiller Plant in 2009;
- 3) Generator #20, a Cummins model QSX15-G9 with an engine power rating equal to 755 hp and was installed at Plant Engineering in 2009;
- 4) Generator #21, a Caterpillar model 3516C with an engine power rating equal to 2937 hp and was installed at Hospital for Advanced Medicine (HFAM) in 2009;
- 5) Generator #22, a Caterpillar model D-100 with an engine power rating equal to 149 hp and was installed at Justin Drive in 2009;
- 6) Generator #24, a Caterpillar model C15DITA with an engine power rating equal to 689 hp and was installed at Rehab GOB 1 in 2012;
- 7) Generator #25, a Caterpillar model 3516C with an engine power rating equal to 2937 hp and was installed at GOB 1 Annex in 2012;
- 8) Generator #26, a Caterpillar model QSM11-G4 with an engine power rating equal to 470 hp and was installed at Pine Barn Inn in 2012;
- 9) Generator #27, Caterpillar model C27 with an engine power rating equal to 998 hp and was installed at Justin Drive 2 in 2013; and
- 10) Generator #28, Cummins model 80DSFAE with an engine power rating equal to 145 hp and was installed at Life Flight in 2015.

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

Each of the emergency generator engines associated with Source ID P105A are subject to 40 CFR Part 60 Subpart III (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines). The permittee shall comply with all applicable requirements pertaining to each engine, as specified in 40 CFR sections 60.4200 through 60.4219.

[Compliance with the applicable requirements incorporated by reference in this streamlined permit conditions will ensure compliance with the applicable requirement in 40 CFR Part 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines), in accordance with 40 CFR section 63.6590(c).]



**SECTION D. Source Level Requirements****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each of the emergency generator engines associated with Source ID P105A are subject to 40 CFR Part 63 Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). The permittee shall comply with all applicable requirements pertaining to each engine, as specified in 40 CFR sections 63.6580 through 63.6675.

**SECTION D. Source Level Requirements**

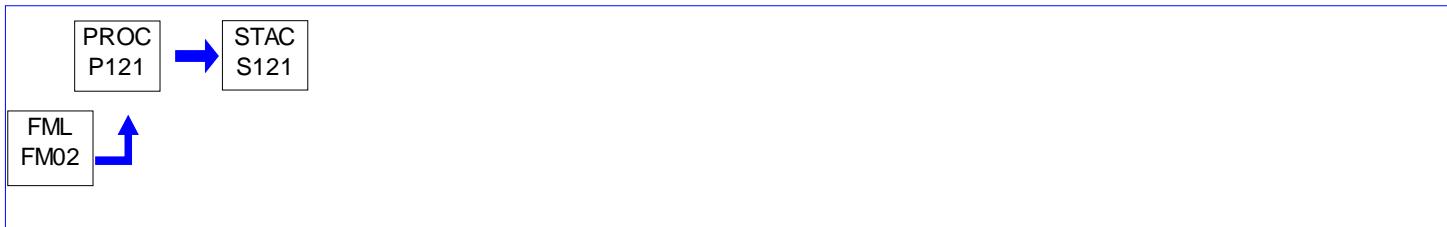
Source ID: P121

Source Name: NATURAL GAS-FIRED GENERATORS

Source Capacity/Throughput:

13.320 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission from each emergency generator of Source P121 into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission from each emergency generator of Source P121 into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, in the effluent gas in excess of 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P121 shall only be fired on gas (natural or LP).

**Operation Hours Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Each generator engine included in Source ID P121 shall not operate more than 500 hours in any 12 consecutive month period.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR §63.6640(f)]

The emergency generator engines included in Source ID P121 shall also comply with the 100 hour/year operational restriction on non-emergency usage as specified in 40 CFR §63.6640(f).

**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.**

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §63.6625(f)]

Each of the reciprocating internal combustion engines included in Source ID P121 must be equipped with a non-resettable

**SECTION D. Source Level Requirements**

hour meter.

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

(a) The permittee shall keep records of the number of hours that each emergency generator of Source P121 is operated on a monthly basis and supporting calculations used to verify compliance with the operating hour limitation in any 12 consecutive month period.

(b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Authority for this permit condition is also derived from 40 CFR §§63.6655 and 63.6660]

(a) The permittee shall create records pertaining to the emergency generator engines included in Source ID P121 as specified in 40 CFR §§63.6655.

(b) The permittee shall keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.

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

(a) The permittee shall submit on an annual report of the number of hours that each emergency generator of Source P121 is operated on a monthly basis and supporting calculations used to verify compliance with the operating hour limitation in any 12 consecutive month period.

(b) The annual reports shall be submitted to the Department by March 1 for the previous 12 consecutive month period.

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

[Authority for this permit condition is also derived from 40 CFR §63.6605(b)]

At all times the permittee must operate and maintain the emergency generators included in Source ID P121, including associated monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

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

[Authority for this permit condition is also derived from 40 CFR §§63.6603(a), 63.6625(j), and 63.6640(a)]

The permittee shall conduct the following maintenance on each emergency generator engine of Source ID P121:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first; unless the optional oil analysis program in 40 CFR §63.6625(j) indicates the oil does not need to be changed;

(b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

**SECTION D. Source Level Requirements**

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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

[Authority for this permit condition is also derived from 40 CFR §63.6625(e)(3)]

The permittee shall operate and maintain the reciprocating internal combustion engines included in Source ID P121 according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.

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

Source ID P121 consists of three (3) natural gas-fired emergency generator engines, as follows:

Two (2) Cummins model GTA14-G2 units, each with a engine power rating equal to 583 hp (Generators #16 and #17); and

Generator #30, located at Montour Street, is a Cummins model 35GGFB unit rated at 35 kW.

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

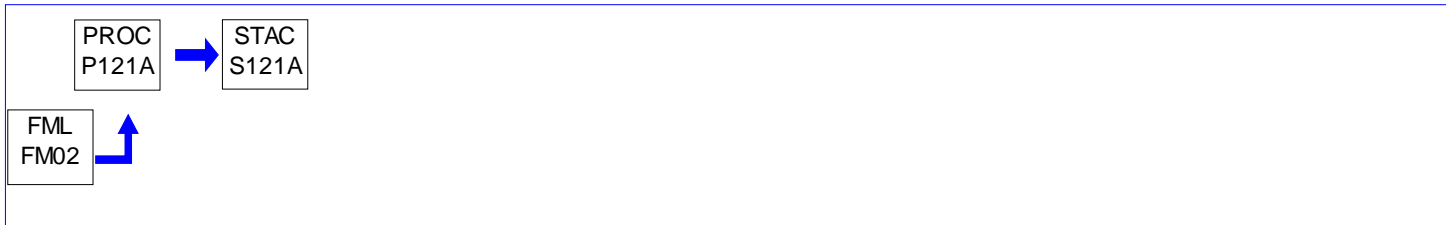
Source ID P121 is subject to 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all applicable requirements of 40 CFR §§63.6580 through 63.6675.

**SECTION D. Source Level Requirements**

Source ID: P121A

Source Name: NEW NATURAL GAS-FIRED GENERATORS

Source Capacity/Throughput:

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

No person may permit the emission from each emergency generator of Source P121A into the outdoor atmosphere of particulate matter in excess of 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission from each emergency generator of Source P121A into the outdoor atmosphere in a manner that the concentration of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, in the effluent gas in excess of 500 parts per million, by volume, dry basis.

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

[Additional authority for this permit condition is also derived from 40 CFR §60.4233]

(a) Emergency generator engines included in Source ID P121A with a maximum rated horsepower greater than 25 and less than 130 shall comply with the following emission limitations:

- (i) NO<sub>x</sub>: 10 grams/horsepower-hour
- (ii) CO: 387 grams/horsepower-hour

(b) Emergency generator engines included in Source ID P121A with a maximum rated horsepower greater than 130 shall comply with the following emission limitations:

- (i) NO<sub>x</sub>: 2.0 grams/horsepower-hour
- (ii) CO: 4.0 grams/horsepower-hour
- (iii) VOC: 1.0 grams/horsepower-hour (formaldehyde excluded)

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

Source ID P121A shall only be fired on gas (natural or LP).

**Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The emergency generators included in Source ID P121A shall not operate more than 500 hours in any 12 consecutive month period.

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

[Additional authority for this permit condition is also derived from 40 CFR §60.4243(d)]

The emergency generator engines included in Source ID P121A shall also comply with the 100 hour/year operational

**SECTION D. Source Level Requirements**

restriction on non-emergency usage as specified in 40 CFR §60.4243(d).

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

[Additional authority for this permit condition is also derived from 40 CFR §60.4237]

Each of the generator engines included in Source ID P121A must be equipped with a non-resettable hour meter.

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

[Additional authority for this permit condition is also derived from 40 CFR §60.4245(b)]

(a) The permittee shall keep records of the number of hours that each emergency generator of Source P121A is operated on a monthly basis and supporting calculations used to verify compliance with the operating hour limitation in any 12 consecutive month period.

(b) The permittee shall keep records of the operation of each generator engine included in Source ID P121A in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is also derived from 40 CFR §60.4245]

The permittee shall keep records of the following information for the generator engines included in Source ID P121A:

(i) All notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification.

(ii) Maintenance conducted on each engine.

(iii) Documentation from the manufacturer that each engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.

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

(a) The permittee shall submit on an annual report of the number of hours that each emergency generator of Source P121A is operated on a monthly basis and supporting calculations used to verify compliance with the operating hour limitation in any 12 consecutive month period.

**SECTION D. Source Level Requirements**

(b) The annual reports shall be submitted to the Department by March 1 for the previous 12 consecutive month period.

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

[Additional authority for this permit condition is also derived from 40 CFR §60.4245(e)]

If any emergency generator engine of Source ID P121A with a maximum engine power more than 100 horsepower operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR §60.4243(d)(2)(ii) and (iii) or that operates for the purposes specified in §60.4243(d)(3)(i), the permittee shall submit an annual report according to the requirements in 40 CFR §60.4245(e)(1) through (3).

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

[Additional authority for this permit condition is also derived from 40 CFR §60.4243]

Each generator engine of Source ID P121A shall be certified to the standards of 40 CFR Subpart JJJJ for its engine class and maximum engine power. The permittee shall operate and maintain the certified engines according to the manufacturer's emission-related written instructions and keep records of conducted maintenance.

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

Source ID P121A consists of one (1) emergency generator powered by a Cummins GGPA natural gas-fired engine rated at 77.3 brake-horsepower (Generator #23).

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

The generator engines of Source ID P121A are subject to 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all applicable requirements of 40 CFR §§63.6580 through 63.6675.

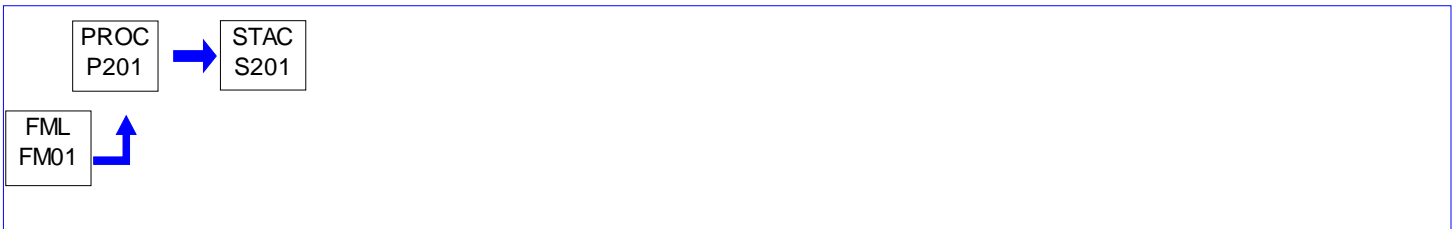
Pursuant to 40 CFR §63.6590(c), the generator engines of Source ID P121A shall comply with Subpart ZZZZ by complying with the applicable requirements of 40 CFR Part 60 Subpart JJJJ.

**SECTION D. Source Level Requirements**

Source ID: P201

Source Name: COMBINED HEAT AND POWER COMBUSTION TURBINE

Source Capacity/Throughput: 55.620 MMBTU/HR

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the total emissions from Source P201 shall not exceed any of the following limitations:

- i) 16.2 tons of nitrogen oxides in any 12 consecutive month period;
- ii) 17.1 tons of carbon monoxide in any 12 consecutive month period;
- iii) 0.5 ton of sulfur dioxide in any 12 consecutive month period;
- iv) 4.8 tons of total particulate matter (condensable and filterable), including particulate matter having an aerodynamic diameter equal to or less than 2.5 micrometers (PM-2.5) in any 12 consecutive month period;
- v) 2.6 tons of volatile organic compounds in any 12 consecutive month period;
- vi) 0.8 ton of total hazardous air pollutant in any 12 consecutive month period; and
- vii) 0.7 ton of formaldehyde in any 12 consecutive month period.

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision specified in 40 CFR Section 60.4320]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of nitrogen oxides from Source P201 in a manner that the concentration of nitrogen oxides in the exhaust gas exceeds the following;

- i) 15 parts per million, by volume, dry basis, corrected to 15% oxygen at any time Source P201 is operating in SoLoNOx mode.
- ii) 42 parts per million, by volume, dry basis, corrected to 15% oxygen at any time Source P201 is operating during sub-zero ambient temperatures in non-SoLoNOx mode.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, during periods of start-up and shut-down, the nitrogen oxides emissions from the exhaust of Source ID P201 shall not exceed the following;

- i) 0.8 pound per start-up
- ii) 0.4 pound per shut-down

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of carbon monoxide (CO) from Source P201 in a manner that the concentration of CO in the exhaust gas exceeds the following;

- i) 25 parts per million, by volume, dry basis, corrected to 15% oxygen at any time Source P201 is operating in SoLoNOx mode.
- ii) 100 parts per million, by volume, dry basis, corrected to 15% oxygen at any time Source P201 is operating during sub-zero



**SECTION D. Source Level Requirements**

ambient temperatures in non-SoLoNOx mode.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, during periods of start-up and shut-down, the carbon monoxide (CO) emissions from the exhaust of Source P201 shall not exceed the following;

- i) 75.0 pounds per start-up
- ii) 31.1 pounds per shut-down

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of volatile organic compounds (VOC) from Source P201 in a manner the rate of VOC in the exhaust gas exceeds the following;

- i) 0.6 pound per hour at any time Source P201 is operating in SoLoNOx mode.
- ii) 11.9 pounds per hour at any time Source P201 is operating during sub-zero ambient temperatures in non-SoLoNOx mode.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, during periods of start-up and shut-down, the volatile organic compounds (VOC) emissions from the exhaust of Source P201 shall not exceed the following;

- i) 4.3 pounds per start-up
- ii) 1.8 pounds per shut-down

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

The permittee shall comply with all applicable sulfur dioxide emission standards specified in 40 CFR Section 60.4330.

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code Section 123.13]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of total particulate matter (condensable and filterable) including particulate matter having a nominal aerodynamic diameter less than 2.5 microns (PM-2.5) from Source P201 in excess of the following limitations;

- i) 0.021 pound per million British thermal unit of heat input
- ii) 0.01 grain per dry standard cubic foot

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 the permittee shall not permit the emission into the outdoor atmosphere of formaldehyde emissions from Source P201 in excess of 0.00288 pound per million British thermal unit of heat input.

**Fuel Restriction(s).****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in 40 CFR Sections 60.4360 and 60.4365]

**SECTION D. Source Level Requirements**

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use natural gas which has a sulfur content no greater than 20 grains per 100 standard cubic foot as fuel for Source P201.

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in 40 CFR Section 60.4340]

(a) The permittee shall perform a stack test on Source P201 to determine the nitrogen oxides and carbon monoxide emissions on an approximate annual basis, but in each case, no less than 10 months and no more than 14 months following the previous test. In addition, the permittee shall perform a stack test on Source P201 to determine the volatile organic compounds and formaldehyde emission rates on an approximate triennial basis, but in each case, no less than 32 months and no more than 36 months following the previous test.

(i) All stack tests shall be performed while the source is operating at peak load.

(ii) All stack tests for nitrogen oxide emission shall be performed in accordance with 40 CFR Section 60.4400.

(iii) All stack tests shall be performed using methods and procedures which are acceptable to the Department.

(b) The permittee may request a change in the required frequency of testing once enough data has been generated to determine the consistency of the results.

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

The permittee shall comply with all applicable testing requirements for sulfur specified in 40 CFR Section 60.4415.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source P201 shall be equipped, prior to initial start-up of Source P201, with instrumentation to continuously monitor manufacturer's recommended, operational parameters which will indicate whether Source P201 is operating in a low-NO<sub>x</sub> (SoLoNO<sub>x</sub>) mode.

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

The permittee shall comply with the applicable monitoring requirements specified in 40 CFR Section 60.4340.

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

The permittee shall keep accurate and comprehensive records of the following information:

i) A copy of the stack test reports for any testing performed on Source P201.

ii) The fuel analysis in a current, up-to-date, valid purchase contract, tariff sheet or transportation contract for the natural gas fuel used to operate Source P201 which specifies that the sulfur content of the natural gas fuel is below 20 grains per 100 standard cubic feet of natural gas OR the actual sulfur content of the natural gas fuel used to operate Source P201.

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

The permittee shall keep accurate and comprehensive records of the following information on a monthly basis for Source

**SECTION D. Source Level Requirements**

P201:

- i) The amount of air contaminant emissions, tons, (including emission calculations during a SoLoNOx mode, start-up, shutdown, and sub-zero ambient temperature operation) from Source P201 used to verify compliance with nitrogen oxides, carbon monoxide, sulfur oxides, volatile organic compounds, formaldehyde, and total particulate matter including particulate matter with an aerodynamic diameter less than 2.5 microns emissions limitations in any 12 consecutive month period.
- ii) The amount of fuel used in Source P201.
- iii) The number of hours Source P201 operated.
- iv) The number of start-ups and shutdowns performed on Source P201.
- v) The number of hours Source P201 operated during sub-zero ambient temperatures in non-SoLoNOx mode.

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep accurate and comprehensive records of the appropriate operational parameter(s) which will indicate low-NOx (SoLoNOx) mode operation on a rolling 4-hour basis for Source P201.

The Department may revise the frequency of recording the appropriate operation parameter(s) based on stack test results and collected data.

These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit the following information for Source P201 on a semi-annual basis; the monthly amount of emissions of nitrogen oxides, carbon monoxide, sulfur oxides, and particulate matter including particulate matter with an aerodynamic diameter less than 2.5 microns emissions with the supporting calculations/documentation (includes total emissions (tons per year) based on the 12-month rolling total for each month in a the reporting period).

Semi-annual reports shall be submitted to the Department by March 1 (for the July 1 through December 31 reporting period of the preceding year) and September 1 (for the January 1 through June 30 reporting period of the concurrent year).

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

The permittee shall submit the following information for Source P201 on a semi-annual basis; any recorded operational parameter which exceeds the respective range(s) established; and any period of monitor downtime as defined in 40 CFR Section 60.4380(c)(2).

Semi-annual reports shall be submitted to the Department by March 1 (for the July 1 through December 31 reporting period of the preceding year) and September 1 (for the January 1 through June 30 reporting period of the concurrent year).

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

The permittee shall report any start-up or shutdown events for Source P201 that did not occur in a manner consistent with the manufacturer's recommendations and timeframe (10 minutes per event) within five (5) days of the event to the Department.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall follow the manufacturer's recommendations for procedures of start-up, shut-down, and malfunction events.

**SECTION D. Source Level Requirements****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall operate the turbine in low-NO<sub>x</sub> (SoLoNO<sub>x</sub>) mode at all times of operation except during sub-zero ambient temperature operation. Sub-zero ambient temperature operation shall only occur when the ambient temperature is below 0 degrees Fahrenheit and this causes the turbine to operate in non-SoLoNO<sub>x</sub> mode by increasing the amount of fuel flow to the injectors in the pilot ports.

Source ID P201 shall be equipped with "Cold Ambient Fuel Control Logic" which shall control and adjust operational parameters of the turbine during the sub-zero temperature transitional modes (i.e. the logic controller will automatically control and adjust operational parameters of the turbine when the transition from SoLoNO<sub>x</sub> mode operation to sub-zero ambient temperature operation and vice-versa occurs and is needed).

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

Pursuant to 25 Pa. Code Sections 127.1 and 127.12, and 40 CFR Sections 60.4333, the permittee shall operate and maintain Source ID P201 in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.

**VII. ADDITIONAL REQUIREMENTS.****# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P201 consists of a natural gas-fired, combined heat and power combustion process which includes a Solar Centaur 50 combustion turbine, with a nominal capacity to produce 4,200 kW of electricity and a maximum heat input at peak load equal to 58.21 MMBtu/hr.

The exhaust gas from the combustion turbine is ducted into a heat recovery steam generation unit that nominally can produce 24,000 lbm/hr of steam. The heat recovery steam generation unit shall not provide any additional heat input to the exhaust stream by combustion of a fuel.

The exhaust gas from the combustion turbine may also be ducted directly to the atmosphere at the discretion of the permittee. However, the turbine exhaust gas ducted directly to the atmosphere shall not exceed the emissions limitations specified herein for Source ID P201.

**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The location and orientation of the bypass damper that allows the exhaust gas from Source P201 to duct directly to the atmosphere shall be based good engineering practices and design considerations to prevent flue gas leakage through the damper when it is fully closed.

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

Source ID P201 is subject to Subpart KKKK of the Federal Standards of Performance for New Stationary Sources, 40 CFR Sections 60.4300 - 60.4420. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.4300 - 60.4420.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.



**SECTION F. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION G. Miscellaneous.****Insignificant/Exempted Sources**

The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (1) One above ground Waste Oil Tank - 1000 gallons (located in the garage facility)
- (2) One (1) 10000 gallon above below ground gasoline storage tank with fuel pump.
- (3) One (1) 12000 gallon above below ground jet fuel storage tank with fuel pump.
- (4) Eight (8) underground No.2 / diesel fuel storage tanks with capacities between 2,000 and 15,000 gallons.

The Penram Medical Waste Incinerator was permanently shut down October 1999.



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

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