



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: March 18, 2019

Effective Date: March 18, 2019

Expiration Date: March 18, 2024

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

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

State Only Permit No: 15-00130

Synthetic Minor

Federal Tax Id - Plant Code: 23-1060480-1

Owner Information

Name: SCHRAMM INC  
Mailing Address: 800 E VIRGINIA AVE  
WEST CHESTER, PA 19380-4430

Plant Information

Plant: SCHRAMM INC/WEST CHESTER  
Location: 15 Chester County 15963 West Goshen Township  
SIC Code: 3533 Manufacturing - Oil And Gas Field Machinery

Responsible Official

Name: JAMES E DOLAN  
Title: VICE PRES, OPERATIONS  
Phone: (610) 344 - 3133

Permit Contact Person

Name: NATHAN CASE  
Title: PURCHASING MANAGER  
Phone: (610) 696 - 2500

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



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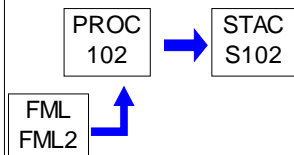
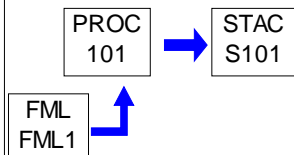
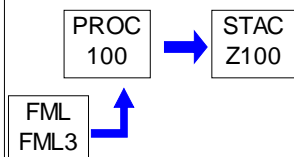
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Source ID	Source Name	Capacity/Throughput		Fuel/Material
100	ENGINE TESTING	36.400	Gal/HR	Diesel Fuel
101	FACILITY HEATING 1	0.017	MMCF/HR	Natural Gas
102	FACILITY HEATING 2	0.010	Th Gal/HR	#2 Oil
103	FACILITY HEATING 3	0.006	MMCF/HR	Natural Gas
			N/A	#2 Oil
104	SURFACE COATING SPRAY BOOTH 1	16.000	Lbs/HR	VARIOUS PRIMERS & CO.
105	SURFACE COATING SPRAY BOOTH 2	16.000	Lbs/HR	VARIOUS COATINGS
106	SURFACE COATING SPRAY BOOTH 3	16.000	Lbs/HR	VARIOUS COATINGS
107	MISC SOURCES (SHOT BLASTER, MACHINING, WELDING & GRINDING)			
C01	SURFACE COATING BOOTH 1 FILTERS			
C02	SURFACE COATING BOOTH 2 FILTERS			
C03	SURFACE COATING BOOTH 3 FILTERS			
FML1	NATURAL GAS			
FML2	NO.2 FUEL OIL			
FML3	OFF ROAD DIESEL FUEL			
S101	FACILITY HEATING 1 STACKS			
S102	FACILITY HEATING 2 STACKS			
S103	FACILITY HEATING 3 STACKS			
S104	SPRAY BOOTH 1 STACKS			
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S106	SPRAY BOOTH 3 STACKS			
Z100	FUGITIVE EMISSIONS			

**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

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

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

**# 002 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) No person shall permit the emission into the outdoor atmosphere of fugitive air contaminant 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) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (i) the emissions are of minor significance with respect to causing air pollution; and
  - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 003 [25 Pa. Code §123.2]****Fugitive particulate matter**

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code §123.1(a)(1-9), if such emissions are visible at the point the emissions pass outside the person's property.

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

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

**# 005 [25 Pa. Code §123.41]****Limitations**

The permittee shall not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

**SECTION C. Site Level Requirements**

[Compliance with this condition assures compliance with 40 C.F.R. § 63.11517(a)]

**# 006 [25 Pa. Code §123.42]****Exceptions**

The limitations of 25 Pa. Code §123.41, of this Section, shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the sources specified in 25 Pa. Code §123.1(a)(1-9).

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

The permittee shall limit the combined HAP emissions from the facility to less than 22.0 tons per year and any single HAP emission shall not exceed 10.0 tons per year calculated on a 12-month rolling sum.

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

The permittee shall limit the total VOC emissions from the facility to less than 22.0 tons per year calculated on a 12-month rolling sum.

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

The permittee shall limit the total NOx emissions from the facility to less than 22.0 tons per year calculated on a 12-month rolling sum.

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

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

**III. MONITORING REQUIREMENTS.****# 011 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions shall be measured using either of the following:

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

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) odors which may be objectionable (as per 25 Pa. Code §123.31);

**SECTION C. Site Level Requirements**

- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

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

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

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

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings

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

The permittee shall monitor and calculate the following monthly and on a 12-month rolling basis:

- The total facility wide VOC emissions.
- The total facility wide NOx emissions.
- The total combined HAP emissions and the emissions from each single HAP.

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

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

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

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

The permittee shall keep records of the following monthly and on a 12-month rolling sum:

- The total facility wide VOC emissions.
- The total facility wide NOx emissions.
- The total combined HAP emissions and the emissions from each single HAP.

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

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or of a regulation contained in 25 Pa. Code Article III.

**SECTION C. Site Level Requirements**

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

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

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

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

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

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

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

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
  - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
  - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

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



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

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

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

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

The permittee shall ensure that the source(s), listed in Section A and Section G, where applicable, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

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

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

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

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

**# 022 [25 Pa. Code §129.14]****Open burning operations**

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

- (a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (b) any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department;
- (c) a fire set for the prevention and control of disease or pests, when approved by the Department;
- (d) a fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;
- (e) a fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure;
- (f) a fire set solely for recreational or ceremonial purposes; or
- (g) a fire set solely for cooking food.

## **SECTION C. Site Level Requirements**

### **VII. ADDITIONAL REQUIREMENTS.**

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

### **VIII. COMPLIANCE CERTIFICATION.**

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

### **IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

**SECTION D. Source Level Requirements**

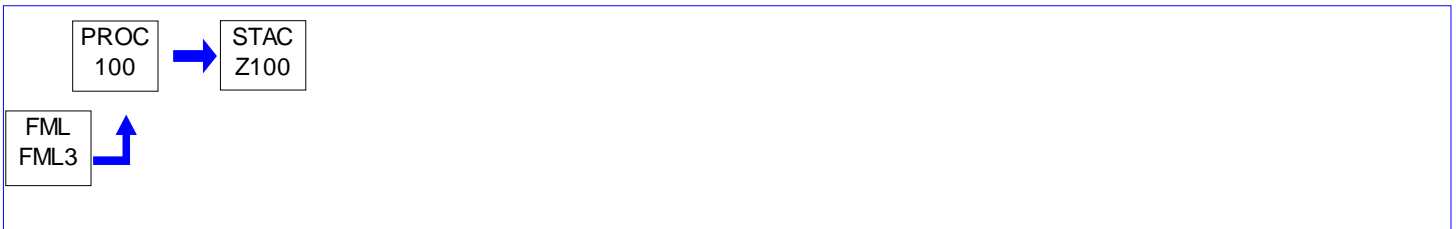
Source ID: 100

Source Name: ENGINE TESTING

Source Capacity/Throughput:

36.400 Gal/HR

Diesel Fuel

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

# 001 [25 Pa. Code §123.13]

**Processes**

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

# 002 [25 Pa. Code §123.21]

**General**

No person shall permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only use off-road diesel fuel for the engines associated with this source.

**Throughput Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall not exceed a total of 133,000 gallons per year of off-road diesel fuel for this source, calculated on a 12-month rolling sum.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §139.16]

**Sulfur in fuel oil.**

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

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

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

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

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

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

The permittee shall monitor the total off-road diesel fuel used for this source monthly and on a 12-month rolling sum.

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

The permittee shall keep records of the total off-road diesel fuel used for this source monthly and on a 12-month rolling sum.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall operate and maintain the engines associated with this Source according to manufacturing specifications.

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

This source consists of 3 Diesel engines that are used in the manufacturing of the drill rigs and engine testing.

Manufacturer: Caterpillar, Model numbers: 3406CDITA and C15DITA.

Manufacturer: Detroit Diesel, Model number: 12V2000.

Manufacturer: Cummins, Model number: QSK19.

The engines are installed on the deck of the drill rigs that are manufactured on site, the drill rig is then tested with the engine running. After testing, the new drill rig with the engine is shipped to the customer.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: FACILITY HEATING 1

Source Capacity/Throughput:

0.017 MMCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

# 002 [25 Pa. Code §123.21]

**General**

The permittee shall not permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas as fuel for this source.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall operate and maintain this source according to the manufacturer's specifications.

**SECTION D. Source Level Requirements**

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This source consists of the following heaters.  
The table below shows the location and rating of each one.

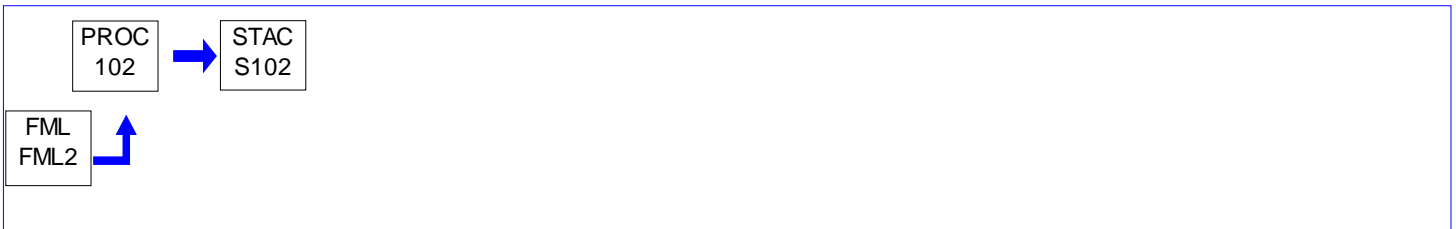
Bldg.....	# units.....	Manufacturer.....	Model #.....	BTU/HR.....	Fuel
Front ent	1	Goodman	Janitrol GMP100-4	100,000	N.G.
7&8	1	Powermatic	UH-180	231,000	N.G.
13	1	Dayton	E370D	125,000	N.G.
13	3	Modine	PSH130	130,000	N.G.
4	1	Bananza	B-2000	2,700,000	N.G.
6	2	Power Flame	30A-12U	1,260,000	N.G.
14	23	ReVerber Ray	DR60	60,000	N.G.
6	11	ReVerber Ray	DR60	60,000	N.G.
7&8	3	ReVerber Ray	DR60	60,000	N.G.
7&8	10	Solaronics	60BN	50,000	N.G.
7&8	9	Solaronics	30BN	25,500	N.G.
1	3	ReVerber Ray	DR60	60,000	N.G.
7	1	ETS	HEG-3005-0E4G	338,000	N.G.
13	6	Solaronics	30BN	25,000	N.G.
4	5	Dayton	3E133E	60,000	N.G.
6	13	Dayton	3E133E	60,000	N.G.
7&8	3	Dayton	3E133E	60,000	N.G.
14	9	Dayton	3E133E	60,000	N.G.
14	1	ReVerber Ray	DR30	30,000	N.G.
Front Ent	1	Eaton	ZS-05N13NWAAA1A	125,000	N.G.
4	1	Cambridge	S1600	147,900	N.G.
14a	1	Sterling	TF250	250,000	N.G.
15 Office	2	Goodman	CHPF4860D6DA	115,000	N.G.
15 Crane Bay	4	Roberts Gordon	CTH2-100	100,000	N.G.

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: FACILITY HEATING 2

Source Capacity/Throughput: 0.010 Th Gal/HR #2 Oil

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

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

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

The permittee shall not permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

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

No person may, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.05% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

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

The permittee shall only use No.2 fuel oil as fuel for this source.

**II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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



**SECTION D. Source Level Requirements**

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.05 percent, each time a delivery is made.

In the event that a delivery is made, and no receipt is obtained, the permittee shall perform testing in accordance with 25 Pa. Code § 139.16.

**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.**

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

The permittee shall operate and maintain this source according to the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

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

This source consists of the following heaters.  
The table below shows the location and rating of each one.

Bldg.....	Total # of units.....	Manufacturer.....	Model.....	BTU/HR
1,2,3.....	8.....	Powermatic.....	UH-180.....	231,000
1,2,3.....	2.....	Modine.....	POR100B0101.....	100,000



**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: FACILITY HEATING 3

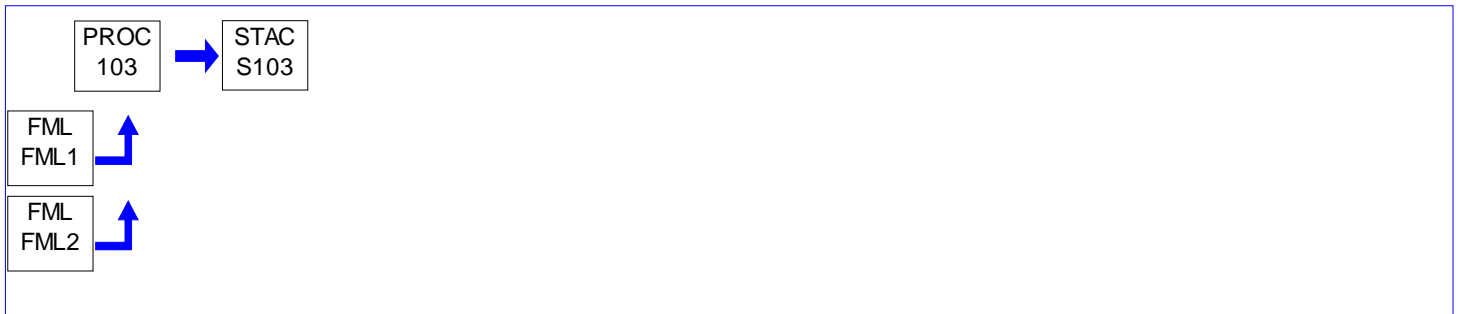
Source Capacity/Throughput:

0.006 MMCF/HR

Natural Gas

N/A

#2 Oil

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

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

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

The permittee shall not permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

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

The permittee shall not, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.05% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

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

The permittee shall use only natural gas and No.2 fuel oil as fuel for this source.

**II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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



**SECTION D. Source Level Requirements**

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.05 percent, each time a delivery is made.

In the event that a delivery is made, and no receipt is obtained, the permittee shall perform testing in accordance with 25 Pa. Code § 139.16.

**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.**

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

The permittee shall operate and maintain this source according to the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

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

This source consists of the following:

Bldg.....#of units.....	Manufacturer.....	Model.....	BTU/HR
4.....2.....	IC/Cleaver Brooks.....	GL3.....	1,500,000
9.....1.....	H.B. Smith.....	G3500-8 Sec.....	1,992,000

The primary fuel is natural gas with #2 fuel oil as back-up.

**SECTION D. Source Level Requirements**

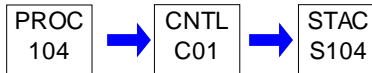
Source ID: 104

Source Name: SURFACE COATING SPRAY BOOTH 1

Source Capacity/Throughput:

16.000 Lbs/HR

VARIOUS PRIMERS &amp; COATINGS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.52]****Surface coating processes**

The VOC content of the surface coatings shall not exceed 6.67 lbs/gal coating solids (0.80 kg/L) as per 25 Pa. Code § 129.52 Table I, 10(a).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.52 and 40 CFR part 60, Appendix A.]

(a) The permittee shall test their coating(s), as applied for the following, in accordance with Method 24, as specified in 40 CFR Part 60, Appendix A:

- (1) Volatile matter content.
- (2) Water content.
- (3) Density.
- (4) Volume solids.
- (5) Weight solids.

(b) The permittee shall test each coating for each delivery, except those that are delivered having the same lot or batch number that have been previously tested.

(c) The above testing requirements shall be waived if the permittee can demonstrate compliance with any of the following:

- (1) A statement from the supplier that EPA Method 24 was used,
- (2) A Certified Product Data Sheet (CPDS) is received from the supplier, or
- (3) A SDS (the upper bound) is used.

**III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §129.52]****Surface coating processes**

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

- (1) volume of primer, coatings and thinner used;
- (2) mix ratio; and
- (3) VOC content of each coating, thinner, and other component as applied.

(b) The permittee shall calculate the VOC emissions monthly and on a 12-month rolling sum using either the VOC content from:

- (1) EPA Method 24 testing;
- (2) CPDS; or
- (3) the upper bound on the SDS

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

The permittee shall keep records of the date the filters are cleaned / replaced and the reading on the manometer when the filters are changed.

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

The permittee shall keep records of the SDS for all the VOC and HAP surface coatings used.

**# 006 [25 Pa. Code §129.52]****Surface coating processes**

The permittee shall keep records sufficient to demonstrate compliance 25 Pa. Code § 129.52. At a minimum, a facility shall maintain daily records of:

(a) The following parameters for each coating, thinner and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The volume percent of solids for Table I surface coating process categories 1--10.

(b) The VOC content of each coating, thinner and other component as supplied.

(c) The VOC content of each as applied coating.

(d) Monthly clean-up solvents usage, and its VOC content and solvent density.

The records required above, shall be recorded and maintained in a format and time frame consistent with, and approved by, the Department.

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

The following work practice standards shall be followed:

(a) All VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed or transferred to another container.

(b) Cloth and paper, or other absorbent applicators, moistened with coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers.

(c) All spills shall be cleaned up immediately.

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

The permittee shall operate and maintain this source in accordance with the manufacturer's specifications, especially in regards to the cleaning and replacing of filters.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall use only compliant coatings.

(b) Compliant coatings, as defined in 25 Pa. Code Section 121.1, are coatings that meet the applicable emission limits specified in Chapter 129 (relating to standards for sources)

(c) Compliance with 25 Pa. Code § 129.52 (weight of the VOC per gallon of coating solids) may be demonstrated through certification from the supplier showing that EPA Method 24, as specified in 40 CFR part 60, Appendix A, was used to test the coating. In the event that proper documentation is not obtained, the permittee shall perform testing in accordance with Condition #002, of this Section, for this spray booth.

(d) If the proper testing has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the permittee shall perform calculations to demonstrate that compliance is still maintained with the, as applied, compliant coating limit stated above, or shall retest the coating in accordance with Condition #002, of this Section, for this source.

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

This spray booth consists of the following:

Manufacturer: Welbit

Filter Type: Primary- Fiberglass Duo Pad, manufactured by Chemco with a 98.66 % efficiency.

Secondary- Fiberglass Supra, DP-II bag filters manufactured by Columbus industries with  
a greater than 95% efficiency.

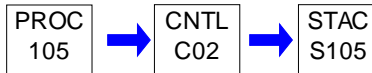
Spray Guns: Alpha Plus AA model # 243576, manufactured by Graco Inc. Spray guns use a 0.014-inch tip for coating.

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: SURFACE COATING SPRAY BOOTH 2

Source Capacity/Throughput: 16.000 Lbs/HR VARIOUS COATINGS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.52]****Surface coating processes**

The VOC content of the surface coatings shall not exceed 6.67 lbs/gal coating solids (0.80 kg/L) as per 25 Pa. Code § 129.52 Table I, 10(a).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.52 and 40 CFR part 60, Appendix A.]

(a) The permittee shall test their coating(s), as applied for the following, in accordance with Method 24, as specified in 40 CFR Part 60, Appendix A:

- (1) Volatile matter content.
- (2) Water content.
- (3) Density.
- (4) Volume solids.
- (5) Weight solids.

(b) The permittee shall test each coating for each delivery, except those that are delivered having the same lot or batch number that have been previously tested.

(c) The above testing requirements shall be waived if the permittee can demonstrate compliance with any of the following:

- (1) A statement from the supplier that EPA Method 24 was used,
- (2) A Certified Product Data Sheet (CPDS) is received from the supplier, or
- (3) A SDS (the upper bound) is used.

**III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §129.52]****Surface coating processes**

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

- (1) volume of primer, coatings and thinner used;
- (2) mix ratio; and
- (3) VOC content of each coating, thinner, and other component as applied.

(b) The permittee shall calculate the VOC emissions monthly and on a 12-month rolling sum using either the VOC content from:

- (1) EPA Method 24 testing;
- (2) CPDS; or
- (3) the upper bound on the SDS

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

The permittee shall keep records of the date the filters are cleaned / replaced and the reading on the manometer when the filters are changed.

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

The permittee shall keep records of the SDS for all the VOC and HAP surface coatings used.

**# 006 [25 Pa. Code §129.52]****Surface coating processes**

The permittee shall keep records sufficient to demonstrate compliance 25 Pa. Code § 129.52. At a minimum, a facility shall maintain daily records of:

(a) The following parameters for each coating, thinner and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The volume percent of solids for Table I surface coating process categories 1--10.

(b) The VOC content of each coating, thinner and other component as supplied.

(c) The VOC content of each as applied coating.

(d) Monthly clean-up solvents usage, and its VOC content and solvent density.

The records required above, shall be recorded and maintained in a format and time frame consistent with, and approved by, the Department.

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

The following work practice standards shall be followed:

(a) All VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed or transferred to another container.

(b) Cloth and paper, or other absorbent applicators, moistened with coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers.

(c) All spills shall be cleaned up immediately.

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

The permittee shall operate and maintain this source in accordance with the manufacturer's specifications, especially in regards to the cleaning and replacing of filters.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall use only compliant coatings.
- (b) Compliant coatings, as defined in 25 Pa. Code Section 121.1, are coatings that meet the applicable emission limits specified in Chapter 129 (relating to standards for sources)
- (c) Compliance with 25 Pa. Code § 129.52 (weight of the VOC per gallon of coating solids) may be demonstrated through certification from the supplier showing that EPA Method 24, as specified in 40 CFR part 60, Appendix A, was used to test the coating. In the event that proper documentation is not obtained, the permittee shall perform testing in accordance with Condition #002, of this Section, for this spray booth.
- (d) If the proper testing has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the permittee shall perform calculations to demonstrate that compliance is still maintained with the, as applied, compliant coating limit stated above, or shall retest the coating in accordance with Condition #002, of this Section, for this source.

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

This spray booth consists of the following:

Manufacturer: Welbit

Heaters: 2 power flame gas fired heaters rated at 1.26MMBTU/HR.

Filter Type: Primary- Fiberglass Duo Pad, manufactured by Chemco with a 98.66 % efficiency.

Secondary- Fiberglass Supra, DP-II bag filters manufactured by Columbus industries with a greater than 95% efficiency.

Spray Guns: Silver Airless, model # (various), manufactured by Graco Inc. Spray guns use a 0.010-inch tip for coating.



**SECTION D. Source Level Requirements**

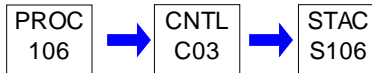
Source ID: 106

Source Name: SURFACE COATING SPRAY BOOTH 3

Source Capacity/Throughput:

16.000 Lbs/HR

VARIOUS COATINGS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.52]****Surface coating processes**

The VOC content of the surface coatings shall not exceed 6.67 lbs/gal coating solids (0.80 kg/L) as per 25 Pa. Code § 129.52 Table I, 10(a).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.52 and 40 CFR part 60, Appendix A.]

(a) The permittee shall test their coating(s), as applied for the following, in accordance with Method 24, as specified in 40 CFR Part 60, Appendix A:

- (1) Volatile matter content.
- (2) Water content.
- (3) Density.
- (4) Volume solids.
- (5) Weight solids.

(b) The permittee shall test each coating for each delivery, except those that are delivered having the same lot or batch number that have been previously tested.

(c) The above testing requirements shall be waived if the permittee can demonstrate compliance with any of the following:

- (1) A statement from the supplier that EPA Method 24 was used,
- (2) A Certified Product Data Sheet (CPDS) is received from the supplier, or
- (3) A SDS (the upper bound) is used.

**III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §129.52]****Surface coating processes**

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

- (1) volume of primer, coatings and thinner used;
- (2) mix ratio; and
- (3) VOC content of each coating, thinner, and other component as applied.

(b) The permittee shall calculate the VOC emissions monthly and on a 12-month rolling sum using either the VOC content from:

- (1) EPA Method 24 testing;
- (2) CPDS; or
- (3) the upper bound on the SDS

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

The permittee shall keep records of the date the filters are cleaned / replaced and the reading on the manometer when the filters are changed.

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

The permittee shall keep records of the SDS for all the VOC and HAP surface coatings used.

**# 006 [25 Pa. Code §129.52]****Surface coating processes**

The permittee shall keep records sufficient to demonstrate compliance 25 Pa. Code § 129.52. At a minimum, a facility shall maintain daily records of:

(a) The following parameters for each coating, thinner and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The volume percent of solids for Table I surface coating process categories 1--10.

(b) The VOC content of each coating, thinner and other component as supplied.

(c) The VOC content of each as applied coating.

(d) Monthly clean-up solvents usage, and its VOC content and solvent density.

The records required above, shall be recorded and maintained in a format and time frame consistent with, and approved by, the Department.

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

The following work practice standards shall be followed:

(a) All VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed or transferred to another container.

(b) Cloth and paper, or other absorbent applicators, moistened with coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers.

(c) All spills shall be cleaned up immediately.

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

The permittee shall operate and maintain this source in accordance with the manufacturer's specifications, especially in regards to the cleaning and replacing of filters.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall use only compliant coatings.
- (b) Compliant coatings, as defined in 25 Pa. Code Section 121.1, are coatings that meet the applicable emission limits specified in Chapter 129 (relating to standards for sources)
- (c) Compliance with 25 Pa. Code § 129.52 (weight of the VOC per gallon of coating solids) may be demonstrated through certification from the supplier showing that EPA Method 24, as specified in 40 CFR part 60, Appendix A, was used to test the coating. In the event that proper documentation is not obtained, the permittee shall perform testing in accordance with Condition #002, of this Section, for this spray booth.
- (d) If the proper testing has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the permittee shall perform calculations to demonstrate that compliance is still maintained with the, as applied, compliant coating limit stated above, or shall retest the coating in accordance with Condition #002, of this Section, for this source.

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

This spray booth consists of the following:

Manufacturer: COL-MET

Heater: 1 Bananza gas fired rated at 2.7MMBTU/HR.

Filter Type: Primary- Fiberglass Duo Pad, manufactured by Chemco with a 98.66 % efficiency.

Spray Guns: Silver Airless, model # (various), manufactured by Graco Inc. Spray guns use a 0.010-inch tip for coating.

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: MISC SOURCES (SHOT BLASTER, MACHINING, WELDING &amp; GRINDING)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516(a)(2)(i)]

For Dry Abrasive Blasting the permittee must capture emissions and vent them to a filtration control device. The permittee must operate the filtration control device according to manufacturer's instructions.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11517]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my monitoring requirements?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516(a)(3)(ii)]

The permittee shall perform visual determinations of fugitive emissions for Abrasive Blasting of objects according to the following conditions:

(a). For blasting of objects greater than 8 feet in any one dimension that is performed outdoors, the permittee must perform visual determinations of fugitive emissions at the fenceline or property border nearest to the outdoor dry abrasive blasting operation.

(b). For blasting of objects greater than 8 feet in any one dimension that is performed indoors, the permittee must perform visual determinations of fugitive emissions at the primary vent, stack, exit or opening from the building containing the abrasive blasting operations.

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11519(c)(4)]

For Dry Abrasive Blasting, Dry Grinding and Dry Polishing with Machines and for Welding, the permittee shall maintain a record of the manufacturer's specifications for the filtration control devices.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516]

The permittee shall keep records of all visual determinations of fugitive emissions along with any corrective action taken to eliminate the fugitive emissions for Abrasive Blasting, Dry Grinding and Dry Polishing with Machines and for Welding.

**SECTION D. Source Level Requirements****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11519(c)(1)]

The permittee shall keep records of the following:

- (a) Each notification and report that was submitted to comply with 40 C.F.R. 63 Subpart XXXXXX, and the documentation supporting each notification and report.
- (b) Records of the applicability determinations as described in 40 C.F.R. § 63.11514(b)(1) through (5), listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time.

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11519(c)(2)]

The permittee shall keep records of the following for visual determination of fugitive emissions:

- (a). The date and results of every visual determination of fugitive emissions;
- (b). A description of any corrective action taken subsequent to the test; and
- (c). The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11519(c)(12)]

The permittee shall keep records of the Site-Specific Welding Emissions Management Plan if required to prepare one according to 40 C.F.R. § 63.11516(f)(7)(iii). The permittee shall maintain a copy of the current plan and make it available for inspector review at all times.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11519(c)(14)]

The permittee shall keep records of the welding rod usage (recorded in pounds) calculated on a 12-month rolling sum. Only welding rods that contain Metal Fabrication or Finishing Metal HAP (MFHAP) are subject to this condition.

**V. REPORTING REQUIREMENTS.****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

- (a). The permittee shall prepare and submit an annual certification of compliance report for each affected source according to the requirements in 40 C.F.R. § 63.11519(b)(2) through (7).

**SECTION D. Source Level Requirements**

(b). The annual certification of compliance report shall be postmarked or delivered no later than January 31st of each year and kept in a readily-accessible location for inspector review.

(c). The annual certification of compliance report shall cover the reporting period from January 1st through December 31st of each year.

[Compliance with condition (a) assures compliance with 40 C.F.R. § 63.11516(a)(3)(iv)(B) and § 63.11516(f)(5)(iii & iv)]

**VI. WORK PRACTICE REQUIREMENTS.**

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]  
Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories  
What are my standards and management practices?**

[Additional Authority for this condition is derived from 40 C.F.R. 63.11516(a)(2)((ii)]

The permittee must implement the following management practices to minimize emissions of MFHAP:

- (a) Must take measures to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and
- (b) Must enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and
- (c) Must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]  
Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories  
What are my standards and management practices?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516(a)(3)(iv)]

- (a). If visible emissions from Abrasive Blasting are detected, the permittee must perform corrective actions until the visible fugitive emissions are eliminated.
- (b). The permittee shall perform a follow-up inspection for visible fugitive emissions according to the procedures of EPA Method 22, of 40 C.F.R. part 60, Appendix A-7.
  1. The permittee must conduct EPA Method 22 test while the source is operating under normal conditions.

[Compliance with condition (b) assures compliance with 40 C.F.R. § 63.11517(a)]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]  
Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories  
What are my standards and management practices?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516(b)]

For Machining operations (as defined in 40 C.F.R. § 63.11522 and listed in Section G of this permit) that use any material containing MFHAP, the permittee shall:

- (a). Take measures to minimize excess dust in the surrounding area to reduce MFHAP emissions.
- (b). Operate all equipment associated with the machining according to manufacturer's instructions.

**SECTION D. Source Level Requirements****# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516(c)]

For Dry Grinding and Dry Polishing with machines (as defined in 40 C.F.R. § 63.11522, and listed in Section G of this permit) that use any material containing MFHAP, the permittee shall:

- (a). Capture emissions and vent them to a filtration control device.
- (b). Implement management practices to minimize emissions of MFHAP according to the following:
  1. Perform measures to minimize excess dust in the surrounding area.
  2. Operate all equipment associated with the operation of dry grinding and dry polishing with machines, including the filtration control device, according to the manufacturer's instructions.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516(f)]

The permittee shall comply with the following requirements for each welding operation (as defined in 40 C.F.R. § 63.11522 and in Section G of this permit) that uses materials that contain MFHAP:

1. Operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions.
2. Implement one or more of the following management practices to minimize emissions of MFHAP:
  - (a). Use welding processes with reduced fume generation capabilities.
  - (b). Use welding process variations which can reduce fume generation rates.
  - (c). Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation.
  - (d). Optimize welding process variables (ie.. electrode diameter, voltage, amperage, welding angle shield gas flow rate) to reduce the amount of welding fume generated; and
  - (e). Use welding fume capture and control system, operated according to the manufacturer's specifications.

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

[Additional Authority for this condition is derived from 40 C.F.R. § 63.11516(f)(3) through (8)]

The requirements in this condition do not apply when welding operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

If the welding affected source uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12-month basis), the permittee shall demonstrate that management practices or fume control measures are being implemented by complying with the following requirements:

- (a). Tier 1 compliance requirements for welding. The permittee shall perform visual determinations of welding fugitive emissions at the primary vent, stack, exit, or opening from the building containing the welding operations as specified in 40 C.F.R. § 63.11517(b).

**SECTION D. Source Level Requirements**

- (b). Requirements upon initial detection of visible emissions from welding. If visible fugitive emissions are detected during any visual determination, the permittee shall comply with the following requirements:
- (1) Perform corrective actions that include, but are not limited to, inspection of welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures. After completing such corrective actions, the permittee shall perform a follow-up inspection for visible fugitive emissions in accordance with 40 C.F.R. § 63.11517(a), at the primary vent, stack, exit, or opening from the building containing the welding operations.
  - (2) Report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, and submit with your annual certification and compliance report as required by 40 C.F.R. § 63.11519(b)(5).
- (c). Tier 2 requirements upon subsequent detection of visible emissions. If visible fugitive emissions are detected more than once during any consecutive 12 month period (not with standing the results of any follow-up inspections), the permittee shall comply with the following requirements:
- (1) Within 24 hours of the end of the visual determination of fugitive emissions in which visible fugitive emissions were detected, the permittee shall conduct a visual determination of emissions opacity, as specified in 40 C.F.R. § 63.11517(c), at the primary vent, stack, exit, or opening from the building containing the welding operations.
  - (2) In lieu of the requirement of paragraph (a) of this condition to perform visual determinations of fugitive emissions with EPA Method 22, the permittee shall perform visual determinations of emissions opacity in accordance with 40 C.F.R. § 63.11517(d), using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.
- (d). Requirements for opacities less than or equal to 20 percent but greater than zero. For each visual determination of emissions opacity performed in accordance with paragraph (C) above, for which the average of the six-minute average opacities recorded is 20 percent or less but greater than zero, the permittee shall perform corrective actions, including inspection of all welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with 40 C.F.R. § 63.11516(f)(2).
- (e). Tier 3 requirements for opacities exceeding 20 percent. For each visual determination of emissions opacity performed in accordance with paragraph (c) above, for which the average of the six-minute average opacities recorded exceeds 20 percent, the permittee shall comply with the following requirements:
- (1) Submit a report of exceedence of 20 percent opacity, along with your annual certification and compliance report, as specified in 40 C.F.R. § 63.11519(b)(8), and according to the requirements of 40 C.F.R. § 63.11519(b)(1).
  - (2) Within 30 days of the opacity exceedence, the permittee shall prepare and implement a Site-Specific Welding Emissions Management Plan, as specified in paragraph (F) of this Condition. If the permittee has already prepared a Site-Specific Welding Emissions Management Plan in accordance with this paragraph, the permittee shall prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days.
  - (3) During the preparation (or revision) of the Site-Specific Welding Emissions Management Plan, the permittee shall continue to perform visual determinations of emissions opacity, beginning on a daily schedule as specified in 40 C.F.R. § 63.11517(d), using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.



**SECTION D. Source Level Requirements**

(f). Site-Specific Welding Emissions Management Plan. The Site-Specific Welding Emissions Management Plan shall comply with the requirements listed in 40 C.F.R. § 63.11516(f)(8).

**VII. ADDITIONAL REQUIREMENTS.**

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This source consists of the following operations site wide:

- Dry abrasive blasting (shot blaster, manufactured by Wheelabrator-Frye, Model No. 6:126-D) vented to a baghouse.
- Glass bead blaster, manufactured by ICM, Model No. 4800 Type SB with integrated filters.
- Dry Grinding operations with filtration control devices.
- Welding operations with fume capture devices (Air-flow EZ arm)
- AKS Durakut Plasma Cutter with Farr Dust Collector, Model GS 12 SQ



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor	Emission Limit	Pollutant
100	ENGINE TESTING		
		0.040 gr/DRY FT3	PM10
		500.000 PPMV	SOX
101	FACILITY HEATING 1		
		0.040 gr/DRY FT3	PM10
		500.000 PPMV	SO2
102	FACILITY HEATING 2		
		0.040 gr/DRY FT3	PM10
		500.000 PPMV	SO2
103	FACILITY HEATING 3		
		500.000 PPMV	S
104	SURFACE COATING SPRAY BOOTH 1		
		6.670 Lbs/Gal coating solids	VOC
105	SURFACE COATING SPRAY BOOTH 2		
		6.670 Lbs/Gal coating solids	VOC
106	SURFACE COATING SPRAY BOOTH 3		
		6.670 Lbs/Gal coating solids	VOC

**Site Emission Restriction Summary**

Emission Limit	Pollutant
22.000 Tons/Yr	VOC
22.000 Tons/Yr	NOX
22.000 Tons/Yr Combined HAP emissions	Hazardous Air Pollutants
10.000 Tons/Yr Single HAP emissions	Hazardous Air Pollutants



**SECTION F. Emission Restriction Summary.**

**SECTION G. Miscellaneous.**

The information in Section A is for informational purposes only.

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

- Three (3) portable space heaters, each rated at 600,000 BTU/HR, with a total rating of 1.8MMBTU/HR burning Kerosene. Manufacturer: Dayton, Model number 3E359B; and one (1) portable space heater, rated at 175,000 BTU/HR burning Kerosene, Manufactured by Heat Star HD, model No. HS175KT.
- One (1) boiler, manufactured by Peerless, Model No. G-708FD-WUP, rated heat capacity of 540,000 BTU/HR burning natural gas with the capability of burning No.2 fuel oil as emergency back-up only.

APS: 618468 AUTH: 950673

This operating permit has been renewed.

Source ID 107 Misc Sources was created due to the applicability of 40 CFR 63 Subpart XXXXXX effective July 23, 2008.

The following sources were removed from Section G of the permit and placed in Section D under Source ID 107 (Misc Sources):

- Dry Grinding Operations
- Welding Operations
- Shot Blaster, manufactured by Wheelabrator vented to a baghouse
- Glass bead blaster, manufactured by ICM with integrated filters.

The following definitions are for reference purposes that relate to Subpart XXXXXX:

- Dry abrasive blasting means cleaning, polishing, conditioning, removing or preparing a surface by propelling a stream of abrasive material with compressed air against the surface. Hydroblasting, wet abrasive blasting, or other abrasive blasting operations which employ liquids to reduce emissions are not dry abrasive blasting.
- Dry grinding and dry polishing with machines means grinding or polishing without the use of lubricating oils or fluids in fixed or stationary machines. Hand grinding, hand polishing, and bench top dry grinding and dry polishing are not included under this definition.
- Fabric filter means a type of control device used for collecting PM by filtering a process exhaust stream through a filter or filter media; a fabric filter is also known as a baghouse.
- Grinding means a process performed on a workpiece to remove undesirable material from the surface or to remove burrs or sharp edges. Grinding is done using belts, disks, or wheels consisting of or covered with various abrasives.
- Machining means dry metal turning, milling, drilling, boring, tapping, planing, broaching, sawing, cutting, shaving, shearing, threading, reaming, shaping, slotting, hobbing, and chamfering with machines. Shearing operations cut materials into a desired shape and size, while forming operations bend or conform materials into specific shapes. Cutting and shearing operations include punching, piercing, blanking, cutoff, parting, shearing and trimming. Forming operations include bending, forming, extruding, drawing, rolling, spinning, coining, and forging the metal. Processes specifically excluded are hand-held devices and any process employing fluids for lubrication or cooling.
- Material containing MFHAP means a material containing one or more MFHAP. Any material that contains cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal), and contains manganese in amounts greater than or equal to 1.0 percent by weight (as the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material, is considered to be a material containing MFHAP.
- Welding means a process which joins two metal parts by melting the parts at the joint and filling the space with molten metal.

Source ID 100 (Engine Testing), is not subject to the requirements of 40 CFR 63 Subpart ZZZZ. The engines associated with this source are considered non-road engines and are not stationary according to the definitions in the CFR. Therefore, Subpart ZZZZ is not applicable.

APS: 618468 AUTH: 1204738 Renewal of operating permit.



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

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