



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: August 27, 2013

Effective Date: September 1, 2013

Expiration Date: August 31, 2018

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: 37-00302

Federal Tax Id - Plant Code: 20-4302012-1

Owner Information

Name: AXION POWER BATTERY MFG INC
Mailing Address: 3601 CLOVER LN
NEW CASTLE, PA 16105-5507

Plant Information

Plant: AXION POWER BATTERY MFG INC/NEW CASTLE
Location: 37 Lawrence County 37910 Neshannock Township
SIC Code: 3692 Manufacturing - Primary Batteries, Dry And Wet

Responsible Official

Name: PHILIP S. BAKER
Title: CHIEF OPERATIONS OFFICER
Phone: (724) 654 - 9300

Permit Contact Person

Name: JOE COLE
Title: PLANT MANAGER
Phone: (724) 654 - 9300

[Signature] _____
JOHN F. GUTH, NORTHWEST REGION AIR PROGRAM MANAGER



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

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

Section C. Site Level State Only Requirements

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

Section D. Source Level State Only Requirements

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

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

Section E. Alternative Operating Scenario(s)

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements



SECTION A. Table of Contents

- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

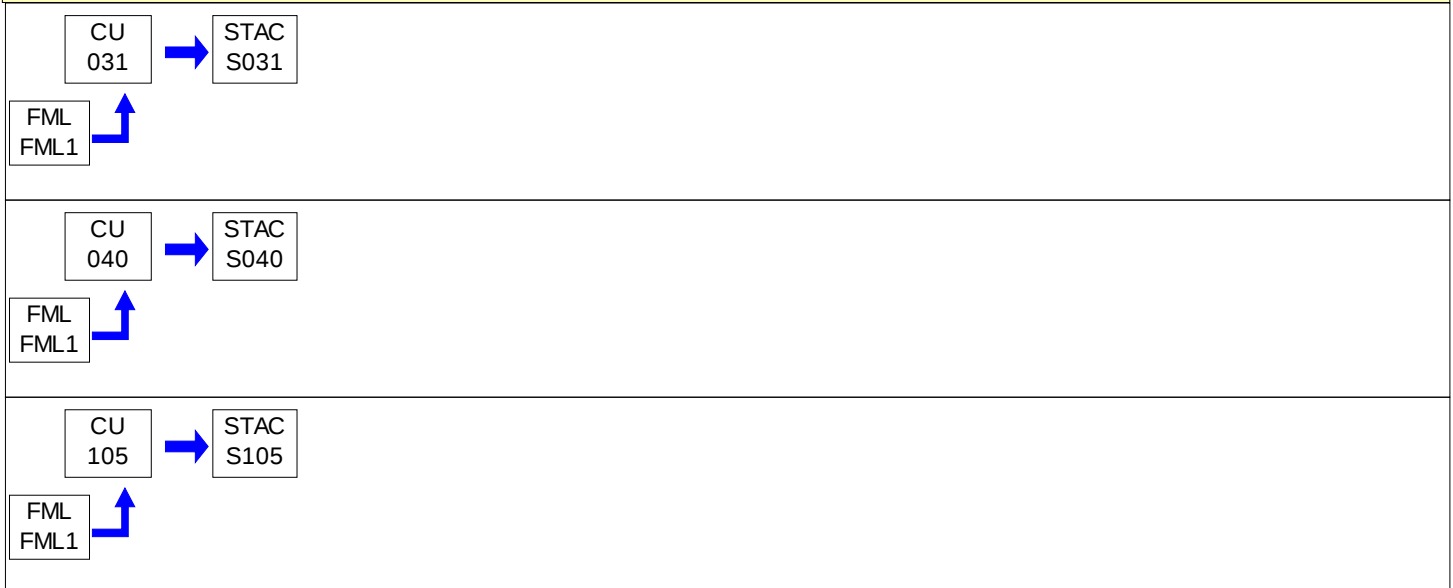
Section F. Emission Restriction Summary

Section G. Miscellaneous

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILERS	2.000 MMBTU/HR	
		2.000 MCF/HR	Natural Gas
040	SPACE HEATERS	11.700 MMBTU/HR	
		11,710.000 MCF/HR	Natural Gas
105	MISC PROCESS HEATERS	700.000 CF/HR	Natural Gas
101	AREA 1 -- 3 PROCESS PRODUCTION UNIT & GRID CASTING	N/A	PLATES/GRIDS
102	AREA 2 -- 3 PROCESS PRODUCTION UNIT	N/A	BATTERY COMPONENTS
103	AREA 3 -- PASTING & FLASH DRYING	N/A	BATTERY COMPONENTS
104	AREA 4 -- PASTE MIXING AREA	N/A	BATTERY COMPONENTS
106	SOLVENT CLEANING STATION (1)	N/A	STODDARD SOLVENT
107	MISC VOC EMISSIONS	N/A	STODDARD SOLVENT
		N/A	TRICHLOROETHYLENE
C101	AREA 1 BAGHOUSE		
C102	AREA 2 BAGHOUSE		
C103	AREA 3 BAGHOUSE		
FML1	NATURAL GAS PIPELINE		
S031	BOILERS STACKS		
S040	SPACE HEATERS STACKS		
S101	AREA 1 BAGHOUSE STACK		
S102	AREA 2 BAGHOUSE STACK		
S103	AREA 3 BAGHOUSE STACK		
S105	STACK - SOURCE 105		
Z106	SOLVENT FUGITIVES - DEGREASERS		
Z107	FUGITIVES - SOURCE ID: 107		

PERMIT MAPS



PERMIT MAPS

```

graph LR
    PROC101[PROC 101] --> CNTL101[CNTRL C101]
    CNTL101 --> STAC101[STAC S101]
    
```

```

graph LR
    PROC102[PROC 102] --> CNTL102[CNTRL C102]
    CNTL102 --> STAC102[STAC S102]
    
```

```

graph LR
    PROC103[PROC 103] --> CNTL103[CNTRL C103]
    CNTL103 --> STAC103[STAC S103]
    
```

```

graph LR
    FML1[FML FML1] --> PROC103
    
```

```

graph LR
    PROC104[PROC 104] --> CNTL103[CNTRL C103]
    CNTL103 --> STAC103[STAC S103]
    
```

```

graph LR
    PROC106[PROC 106] --> STAC106[STAC Z106]
    
```

```

graph LR
    PROC107[PROC 107] --> STAC107[STAC Z107]
    
```

SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

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

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

Permit Renewal.

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

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

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

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

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

Transfer of Operating Permits.

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

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

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

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

Inspection and Entry.

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

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

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

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

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

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

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

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

Compliance Requirements.

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

SECTION B. General State Only Requirements

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

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

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

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

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

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

Duty to Provide Information.

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

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

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

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

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

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

Operating Permit Modifications

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

SECTION B. General State Only Requirements

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

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

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

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

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

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

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

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

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

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

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

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

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 may permit air pollution as that term is defined in the act.

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) No person may 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) Not Applicable

(8) Not Applicable

(9) Sources and classes of sources other than those identified above, 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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001 above, (relating to prohibition of certain fugitive emissions), if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]

Limitations

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

005 [25 Pa. Code §123.41]

Limitations

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

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

SECTION C. Site Level Requirements

(2) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]

Exceptions

The limitations of Condition #004 above,(relating to limitations), shall not apply to a visible emission in any of the following instances:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).
- (4) Not Applicable

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

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.

008 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(c) A person responsible for any source specified in Condition #001 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

SECTION C. Site Level Requirements

(2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

009 [25 Pa. Code §129.14]

Open burning operations

a) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

b) Exceptions: The requirements of subsections (a) do not apply where the open burning operations result from:

(1) 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.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) A fire set solely for recreational or ceremonial purposes.

(5) A fire set solely for cooking food.

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.]

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[From 40 CFR 63.11425]

§ 63.11425 What General Provisions apply to this subpart?

(a) The provisions in 40 CFR part 63, subpart A, that are applicable to this subpart are specified in Table 1 to this subpart.

(b) For existing sources, the initial notification required by § 63.9(b) must be submitted not later than November 13, 2007.

(c) For existing sources, the notification of compliance required by § 63.9(h) must be submitted not later than September 15, 2008.

SECTION C. Site Level Requirements

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.372]

Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants

Standards for lead.

(a) On and after the date on which the performance test required to be conducted by 60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere:

(1) From any grid casting facility any gases that contain lead in excess of 0.40 milligram of lead per dry standard cubic meter of exhaust (0.000176 gr/dscf).

(2) From any paste mixing facility any gases that contain in excess of 1.00 milligram of lead per dry standard cubic meter of exhaust (0.00044 gr/dscf).

(3) From any three-process operation facility any gases that contain in excess of 1.00 milligram of lead per dry standard cubic meter of exhaust (0.00044 gr/dscf).

(4) From any lead oxide manufacturing facility any gases that contain in excess of 5.0 milligrams of lead per kilogram of lead feed (0.010 lb/ton).

(5) From any lead reclamation facility any gases that contain in excess of 4.50 milligrams of lead per dry standard cubic meter of exhaust (0.00198 gr/dscf).

(6) From any other lead-emitting operation any gases that contain in excess of 1.00 milligram per dry standard cubic meter of exhaust (0.00044 gr/dscf).

(7) From any affected facility other than a lead reclamation facility any gases with greater than 0 percent opacity (measured according to Method 9 and rounded to the nearest whole percentage).

(8) From any lead reclamation facility any gases with greater than 5 percent opacity (measured according to Method 9 and rounded to the nearest whole percentage).

(b) When two or more facilities at the same plant (except the lead oxide manufacturing facility) are ducted to a common control device, an equivalent standard for the total exhaust from the commonly controlled facilities shall be determined as follows:

[To view this equation, please refer to Attachment "A" at the back of this permit or the online version of this regulation.]

Where:

Se= is the equivalent standard for the total exhaust stream.

Sa= is the actual standard for each exhaust stream ducted to the control device.

N= is the total number of exhaust streams ducted to the control device.

Qsda= is the dry standard volumetric flow rate of the effluent gas stream from each facility ducted to the control device.

QsdT= is the total dry standard volumetric flow rate of all effluent gas streams ducted to the control device.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.374]

Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants

Test methods and procedures.

(a) In conducting the performance tests required in 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in 60.8(b).

(b) The owner or operator shall determine compliance with the lead standards in 60.372, except 60.372(a)(4), as follows:

(1) Method 12 shall be used to determine the lead concentration and, if applicable, the volumetric flow rate (Qsda) of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf).

SECTION C. Site Level Requirements

(2) When different operations in a three-process operation facility are ducted to separate control devices, the lead emission concentration (C) from the facility shall be determined as follows:

$$C = \frac{\sum_{a=1}^N (C_a Q_{sda})}{\sum_{a=1}^N Q_{sda}}$$

where:

C=concentration of lead emissions for the entire facility, mg/dscm (gr/dscf).

C_a=concentration of lead emissions from facility "a", mg/dscm (gr/dscf).

Q_{sda}=volumetric flow rate of effluent gas from facility "a", dscm/hr (dscf/hr).

N=total number of control devices to which separate operations in the facility are ducted.

(3) Method 9 and the procedures in 60.11 shall be used to determine opacity. The opacity numbers shall be rounded off to the nearest whole percentage.

(c) The owner or operator shall determine compliance with the lead standard in 60.372(a)(4) as follows:

(1) The emission rate (E) from lead oxide manufacturing facility shall be computed for each run using the following equation:

$$E = \frac{\sum_{i=1}^M (C_{Pbi} Q_{sdi})}{P K}$$

where:

E=emission rate of lead, mg/kg (lb/ton) of lead charged.

C_{Pbi}=concentration of lead from emission point "i," mg/dscm.

Q_{sdi}=volumetric flow rate of effluent gas from emission point "i," dscm/hr (sdscf/hr).

M=number of emission points in the affected facility.

P=lead feed rate to the facility, kg/hr (ton/hr).

K=conversion factor, 1.0 mg/mg (453,600 mg/lb).

(2) Method 12 shall be used to determine the lead concentration (C_{Pb}) and the volumetric flow rate (Q_{sd}) of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf).

(3) The average lead feed rate (P) shall be determined for each run using the following equation:

$$P = N W / \theta$$

SECTION C. Site Level Requirements

where:

N=number of lead pigs (ingots) charged.

W=average mass of a pig, kg (ton).

thgr=duration of run, hr.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11421]

Subpart PPPPPP - National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources

Am I subject to this subpart?

- (a) You are subject to this subpart if you own or operate a lead acid battery manufacturing plant that is an area source of hazardous air pollutants (HAP) emissions.
- (b) This subpart applies to each new or existing affected source. The affected source is each lead acid battery manufacturing plant. The affected source includes all grid casting facilities, paste mixing facilities, three-process operation facilities, lead oxide manufacturing facilities, lead reclamation facilities, and any other lead-emitting operation that is associated with the lead acid battery manufacturing plant.
- (1) An affected source is existing if you commenced construction or reconstruction of the affected source on or before April 4, 2007.
- (2) An affected source is new if you commenced construction or reconstruction of the affected source after April 4, 2007.
- (c) This subpart does not apply to research and development facilities, as defined in section 112(c)(7) of the Clean Air Act (CAA).
- (d) You are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not otherwise required by law to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a). Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11422]

Subpart PPPPPP - National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources

What are my compliance dates?

- (a) If you own or operate an existing affected source, you must achieve compliance with the applicable provisions in this subpart by no later than July 16, 2008.
- (b) If you startup a new affected source on or before July 16, 2007, you must achieve compliance with the applicable provisions in this subpart not later than July 16, 2007.
- (c) If you startup a new affected source after July 16, 2007, you must achieve compliance with the provisions in this subpart upon startup of your affected source.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11423]

Subpart PPPPPP - National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources

What are the standards and compliance requirements for new and existing sources?

- (a) You must meet all the standards for lead in 40 CFR 60.372.
- (b) You must meet the monitoring requirements in paragraphs (b)(1) and (2) of this section.

SECTION C. Site Level Requirements

- (1) For any emissions point controlled by a scrubbing system, you must meet the requirements in 40 CFR 60.373.
- (2) For any emissions point controlled by a fabric filter, you must meet the requirements of paragraph (b)(2)(i) of this section and either paragraph (b)(2)(ii) or (iii) of this section. Fabric filters equipped with a high efficiency particulate air (HEPA) filter or other secondary filter are allowed to monitor less frequently, as specified in paragraph (b)(2)(iv) of this section.
- (i) You must perform semiannual inspections and maintenance to ensure proper performance of each fabric filter. This includes inspection of structural and filter integrity. You must record the results of these inspections.
- (ii) You must install, maintain, and operate a pressure drop monitoring device to measure the differential pressure drop across the fabric filter during all times when the process is operating. The pressure drop shall be recorded at least once per day. If a pressure drop is observed outside of the normal operational ranges, you must record the incident and take immediate corrective actions. You must also record the corrective actions taken. You must submit a monitoring system performance report in accordance with §63.10(e)(3).
- (iii) You must conduct a visible emissions observation at least once per day to verify that no visible emissions are occurring at the discharge point to the atmosphere from any emissions source subject to the requirements of paragraph (a) of this section. If visible emissions are detected, you must record the incident and conduct an opacity measurement in accordance with 40 CFR 60.374(b)(3). You must record the results of each opacity measurement. If the measurement exceeds the applicable opacity standard in 40 CFR 60.372(a)(7) or (8), you must submit this information in an excess emissions report required under §63.10(e)(3).
- (iv) Fabric filters equipped with a HEPA filter or other secondary filter are allowed to monitor less frequently, as specified in paragraph (b)(2)(iv)(A) or (B) of this section.
- (A) If you are using a pressure drop monitoring device to measure the differential pressure drop across the fabric filter in accordance with paragraph (b)(2)(ii) of this section, you must record the pressure drop at least once per week. If a pressure drop is observed outside of the normal operational ranges, you must record the incident and take immediate corrective actions. You must also record the corrective actions taken. You must submit a monitoring system performance report in accordance with §63.10(e)(3).
- (B) If you are conducting visible emissions observations in accordance with paragraph (b)(2)(iii) of this section, you must conduct such observations at least once per week and record the results in accordance with paragraph (b)(2)(iii) of this section. If visible emissions are detected, you must record the incident and conduct an opacity measurement in accordance with 40 CFR 60.374(b)(3). You must record the results of each opacity measurement. If the measurement exceeds the applicable opacity standard in 40 CFR 60.372(a)(7) or (8), you must submit this information in an excess emissions report required under §63.10(e)(3).
- (c) You must meet the testing requirements in 40 CFR 60.374.
- (1) Existing sources are not required to conduct a performance test if a prior performance test was conducted using the same methods specified in 40 CFR 60.374 and either no process changes have been made since the test, or you can demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance with this subpart despite process changes.
- (2) Sources without a prior performance test, as described in paragraph (c)(1) of this section, must conduct a performance test using the methods specified in 40 CFR 60.374 by 180 days after the compliance date.

[72 FR 38913, July 16, 2007, as amended at 73 FR 15929, Mar. 26, 2008]

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).



SECTION C. Site Level Requirements

IX. COMPLIANCE SCHEDULE

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 031

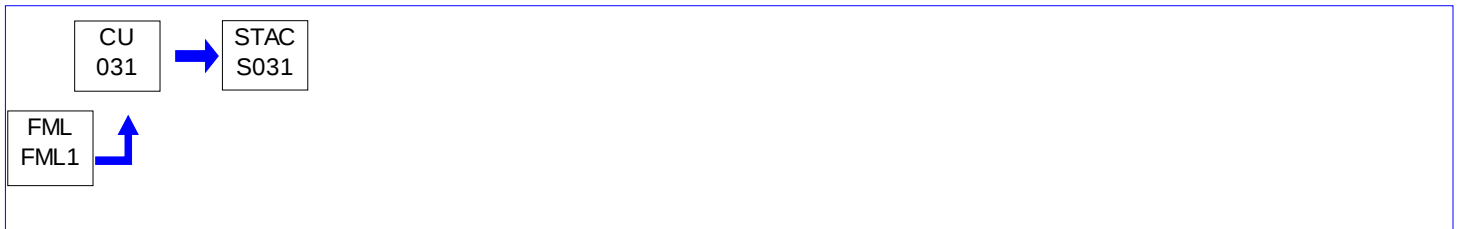
Source Name: BOILERS

Source Capacity/Throughput:

2.000 MMBTU/HR

2.000 MCF/HR

Natural Gas

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit at a rate in excess of 0.4 pound per million Btu of heat input.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from this combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

In order to demonstrate compliance with the SO_x and particulate matter emission limits, this source shall use only natural gas as a fuel 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 maintain and operate this source according to the manufacturer's specifications and in accordance with good air pollution control practices.

**SECTION D. Source 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).

SECTION D. Source Level Requirements

Source ID: 040

Source Name: SPACE HEATERS

Source Capacity/Throughput: 11.700 MMBTU/HR

11,710.000 MCF/HR Natural Gas

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit at a rate in excess of 0.4 pound per million Btu of heat input.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from this combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

In order to demonstrate compliance with the SO_x and particulate matter emission limits, this source shall use only natural gas as a fuel 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 maintain and operate this source according to the manufacturer's specifications and in accordance with good air pollution control practices.

**SECTION D. Source 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).

SECTION D. Source Level Requirements

Source ID: 105

Source Name: MISC PROCESS HEATERS

Source Capacity/Throughput: 700.000 CF/HR Natural Gas

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit at a rate in excess of 0.4 pound per million Btu of heat input.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from this combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

In order to demonstrate compliance with the SO_x and particulate matter emission limits, this source shall use only natural gas as a fuel 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 maintain and operate this source according to the manufacturer's specifications and in accordance with good air pollution control practices.

**SECTION D. Source 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).

SECTION D. Source Level Requirements

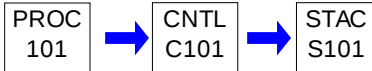
Source ID: 101

Source Name: AREA 1 -- 3 PROCESS PRODUCTION UNIT & GRID CASTING

Source Capacity/Throughput:

N/A

PLATES/GRIDS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic feet.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

See Section "C", "VII. Additional Requirements" for the NESHAP conditions that apply to 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.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The pressure drop across the control device associated with this source shall be recorded on a daily basis. A daily log shall be maintained and kept on file for at least 5 years and be made available to Department personnel upon request.

[From Plan Approval Number PA-37-0302A, Condition #10.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a maintenance log for any control device(s) associated with this source.

This record shall indicate at a minimum:

- date of monthly maintenance inspections.
- date of last bag/cartridge replacement.
- any mechanical repairs and/or adjustments.
- any visual or audible conditions that might indicate a need for additional maintenance.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The permittee shall maintain at a convenient location, a magnehelic gauge to measure the pressure drop across the control device.

[From Plan Approval Number PA-37-0302A, Condition #6.]

b) The pressure drop across the control device associated with this source shall be maintained in the range between 4-6 inches water gauge, whenever the source is in operation.

[Following the replacement of all filter bags in a baghouse, the pressure drop across the control device is expected to be below the prescribed range of 4-6 inches water gauge. A pressure drop as low as one (1) inch water gauge is allowable upon initial startup, with gradual pressure differential increases until the normal operating range of 4-6 inches water gauge is attained. If at any time the pressure drop readings indicate a reversal in the upward trending pressure drops, or if after reaching the normal operating range of 4-6 inches water gauge the readings fall outside the prescribed range, corrective actions are to be performed and documented.]

[From Plan Approval Number PA-37-0302A, Condition #7 and internal e-mails during June 2013, authorizing lower pressure drops following filter bag replacement.]

c) The permittee shall perform daily readings of the pressure differential across the control device associated with this source.

[From Plan Approval Number PA-37-0302A, Condition #10.]

d) Ten percent (10%) of the total number of bags in each baghouse shall be maintained on site for emergency replacement. (34 bags for each American Air Filter Baghouse and 22 bags for the M&W Company Baghouse)

[From Plan Approval Number PA-37-0302A.]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) In order to assure compliance with the particulate matter concentration limits of 123.13, the permittee shall maintain and operate the source and associated control devices in accordance with the manufacturers specifications and in a manner consistent with good air pollution control practices.

b) The permittee shall perform monthly maintenance inspections of each dust collector.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 102

Source Name: AREA 2 -- 3 PROCESS PRODUCTION UNIT

Source Capacity/Throughput:

N/A

BATTERY COMPONENTS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic feet.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

See Section "C", "VII. Additional Requirements" for the NESHAP conditions that apply to 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.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The pressure drop across the control device associated with this source shall be recorded on a daily basis. A daily log shall be maintained and kept on file for at least 5 years and be made available to Department personnel upon request.

[From Plan Approval Number PA-37-0302A, Condition #10.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a maintenance log for any control device(s) associated with this source.

This record shall indicate at a minimum:

- date of monthly maintenance inspections.
- date of last bag/cartridge replacement.
- any mechanical repairs and/or adjustments.
- any visual or audible conditions that might indicate a need for additional maintenance.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The permittee shall maintain at a convenient location, a magnehelic gauge to measure the pressure drop across the control device.

[From Plan Approval Number PA-37-0302A, Condition #6.]

b) The pressure drop across the control device associated with this source shall be maintained in the range between 4-6 inches water gauge, whenever the source is in operation.

[Following the replacement of all filter bags in a baghouse, the pressure drop across the control device is expected to be below the prescribed range of 4-6 inches water gauge. A pressure drop as low as one (1) inch water gauge is allowable upon initial startup, with gradual pressure differential increases until the normal operating range of 4-6 inches water gauge is attained. If at any time the pressure drop readings indicate a reversal in the upward trending pressure drops, or if after reaching the normal operating range of 4-6 inches water gauge the readings fall outside the prescribed range, corrective actions are to be performed and documented.]

[From Plan Approval Number PA-37-0302A, Condition #7 and internal e-mails during June 2013, authorizing lower pressure drops following filter bag replacement.]

c) The permittee shall perform daily readings of the pressure differential across the control device associated with this source.

[From Plan Approval Number PA-37-0302A, Condition #10.]

d) Ten percent (10%) of the total number of bags in each baghouse shall be maintained on site for emergency replacement. (34 bags for each American Air Filter Baghouse and 22 bags for the M&W Company Baghouse)

[From Plan Approval Number PA-37-0302A.]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) In order to assure compliance with the particulate matter concentration limits of 123.13, the permittee shall maintain and operate the source and associated control devices in accordance with the manufacturers specifications and in a manner consistent with good air pollution control practices.

b) The permittee shall perform monthly maintenance inspections of each dust collector.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 103

Source Name: AREA 3 -- PASTING & FLASH DRYING

Source Capacity/Throughput:

N/A

BATTERY COMPONENTS

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic feet.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

See Section "C", "VII. Additional Requirements" for the NESHAP conditions that apply to this source.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In order to demonstrate compliance with the SO_x emission limits, this source shall use only natural gas as a fuel 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.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The pressure drop across the control device associated with this source shall be recorded on a daily basis. A daily log shall be maintained and kept on file for at least 5 years and be made available to Department personnel upon request.

[From Plan Approval Number PA-37-0302A, Condition #10.]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a maintenance log for any control device(s) associated with this source.

This record shall indicate at a minimum:

SECTION D. Source Level Requirements

- date of monthly maintenance inspections.
- date of last bag/cartridge replacement.
- any mechanical repairs and/or adjustments.
- any visual or audible conditions that might indicate a need for additional maintenance.

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 §127.12b]

Plan approval terms and conditions.

- a) The permittee shall maintain at a convenient location, a magnehelic gauge to measure the pressure drop across the control device.

[From Plan Approval Number PA-37-0302A, Condition #6.]

- b) The pressure drop across the control device associated with this source shall be maintained in the range between 4-6 inches water gauge, whenever the source is in operation.

[Following the replacement of all filter bags in a baghouse, the pressure drop across the control device is expected to be below the prescribed range of 4-6 inches water gauge. A pressure drop as low as one (1) inch water gauge is allowable upon initial startup, with gradual pressure differential increases until the normal operating range of 4-6 inches water gauge is attained. If at any time the pressure drop readings indicate a reversal in the upward trending pressure drops, or if after reaching the normal operating range of 4-6 inches water gauge the readings fall outside the prescribed range, corrective actions are to be performed and documented.]

[From Plan Approval Number PA-37-0302A, Condition #7 and internal e-mails during June 2013, authorizing lower pressure drops following filter bag replacement.]

- c) The permittee shall perform daily readings of the pressure differential across the control device associated with this source.

[From Plan Approval Number PA-37-0302A, Condition #10.]

- d) Ten percent (10%) of the total number of bags in each baghouse shall be maintained on site for emergency replacement. (34 bags for each American Air Filter Baghouse and 22 bags for the M&W Company Baghouse)

[From Plan Approval Number PA-37-0302A.]

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- a) In order to assure compliance with the particulate matter concentration limits of 123.13, the permittee shall maintain and operate the source and associated control devices in accordance with the manufacturers specifications and in a manner consistent with good air pollution control practices.

- b) The permittee shall perform monthly maintenance inspections of each dust collector.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 104

Source Name: AREA 4 -- PASTE MIXING AREA

Source Capacity/Throughput:

N/A

BATTERY COMPONENTS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic feet.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

See Section "C", "VII. Additional Requirements" for the NESHAP conditions that apply to 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.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The pressure drop across the control device associated with this source shall be recorded on a daily basis. A daily log shall be maintained and kept on file for at least 5 years and be made available to Department personnel upon request.

[From Plan Approval Number PA-37-0302A, Condition #10.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a maintenance log for any control device(s) associated with this source.

This record shall indicate at a minimum:

- date of monthly maintenance inspections.
- date of last bag/cartridge replacement.
- any mechanical repairs and/or adjustments.
- any visual or audible conditions that might indicate a need for additional maintenance.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) The permittee shall maintain at a convenient location, a magnehelic gauge to measure the pressure drop across the control device.

[From Plan Approval Number PA-37-0302A, Condition #6.]

- b) The pressure drop across the control device associated with this source shall be maintained in the range between 4-6 inches water gauge, whenever the source is in operation.

[Following the replacement of all filter bags in a baghouse, the pressure drop across the control device is expected to be below the prescribed range of 4-6 inches water gauge. A pressure drop as low as one (1) inch water gauge is allowable upon initial startup, with gradual pressure differential increases until the normal operating range of 4-6 inches water gauge is attained. If at any time the pressure drop readings indicate a reversal in the upward trending pressure drops, or if after reaching the normal operating range of 4-6 inches water gauge the readings fall outside the prescribed range, corrective actions are to be performed and documented.]

[From Plan Approval Number PA-37-0302A, Condition #7 and internal e-mails during June 2013, authorizing lower pressure drops following filter bag replacement.]

- c) The permittee shall perform daily readings of the pressure differential across the control device associated with this source.

[From Plan Approval Number PA-37-0302A, Condition #10.]

- d) Ten percent (10%) of the total number of bags in each baghouse shall be maintained on site for emergency replacement. (34 bags for each American Air Filter Baghouse and 22 bags for the M&W Company Baghouse)

[From Plan Approval Number PA-37-0302A.]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- a) In order to assure compliance with the particulate matter concentration limits of 123.13, the permittee shall maintain and operate the source and associated control devices in accordance with the manufacturers specifications and in a manner consistent with good air pollution control practices.

- b) The permittee shall perform monthly maintenance inspections of each dust collector.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

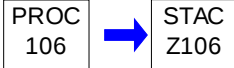
Source ID: 106

Source Name: SOLVENT CLEANING STATION (1)

Source Capacity/Throughput:

N/A

STODDARD SOLVENT



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain and operate this source according to the manufacturer's specifications and in accordance with good air pollution control practices.

002 [25 Pa. Code §129.63]

Degreasing operations

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

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

SECTION D. Source Level Requirements

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

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

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

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

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

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

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 5 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) - (e) [Do not apply]

**SECTION D. Source 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).

SECTION D. Source Level Requirements

Source ID: 107

Source Name: MISC VOC EMISSIONS

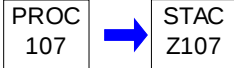
Source Capacity/Throughput:

N/A

STODDARD SOLVENT

N/A

TRICHLOROETHYLENE



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined VOC emissions, from hand wiping of battery cases and equipment clean-up, shall not exceed 2.7 tons per year.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all VOC containing substances purchased for use at this facility. These records shall be maintained in an easily readable format and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description										
031	BOILERS										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>4.000</td><td>Lbs/MMBTU</td><td>SOX</td></tr><tr><td>0.400</td><td>Lbs/MMBTU</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	4.000	Lbs/MMBTU	SOX	0.400	Lbs/MMBTU	TSP
Emission Limit		Pollutant									
4.000	Lbs/MMBTU	SOX									
0.400	Lbs/MMBTU	TSP									
040	SPACE HEATERS										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>4.000</td><td>Lbs/MMBTU</td><td>SOX</td></tr><tr><td>0.400</td><td>Lbs/MMBTU</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	4.000	Lbs/MMBTU	SOX	0.400	Lbs/MMBTU	TSP
Emission Limit		Pollutant									
4.000	Lbs/MMBTU	SOX									
0.400	Lbs/MMBTU	TSP									
105	MISC PROCESS HEATERS										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>4.000</td><td>Lbs/MMBTU</td><td>SOX</td></tr><tr><td>0.400</td><td>Lbs/MMBTU</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	4.000	Lbs/MMBTU	SOX	0.400	Lbs/MMBTU	TSP
Emission Limit		Pollutant									
4.000	Lbs/MMBTU	SOX									
0.400	Lbs/MMBTU	TSP									
101	AREA 1 -- 3 PROCESS PRODUCTION UNIT & GRID CASTING										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr/DRY FT3</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	0.040	gr/DRY FT3	TSP			
Emission Limit		Pollutant									
0.040	gr/DRY FT3	TSP									
102	AREA 2 -- 3 PROCESS PRODUCTION UNIT										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr/DRY FT3</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	0.040	gr/DRY FT3	TSP			
Emission Limit		Pollutant									
0.040	gr/DRY FT3	TSP									
103	AREA 3 -- PASTING & FLASH DRYING										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>500.000</td><td>PPMV</td><td>SOX</td></tr><tr><td>0.040</td><td>gr/DRY FT3</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	500.000	PPMV	SOX	0.040	gr/DRY FT3	TSP
Emission Limit		Pollutant									
500.000	PPMV	SOX									
0.040	gr/DRY FT3	TSP									
104	AREA 4 -- PASTE MIXING AREA										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr/DRY FT3</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	0.040	gr/DRY FT3	TSP			
Emission Limit		Pollutant									
0.040	gr/DRY FT3	TSP									
107	MISC VOC EMISSIONS										
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>2.700</td><td>Tons/Yr</td><td>VOC</td></tr></table>			Emission Limit		Pollutant	2.700	Tons/Yr	VOC			
Emission Limit		Pollutant									
2.700	Tons/Yr	VOC									

Site Emission Restriction Summary

Emission Limit	Pollutant
----------------	-----------



SECTION F. Emission Restriction Summary.

**SECTION G. Miscellaneous.**

The Source Capacities/Throughputs listed in Sections A and D of this operating permit are for informational purposes only and do not represent regulatory limits.

Source ID: 031 includes various small Boilers, each rated at less than 1 MMBtu/hr

Source ID: 040 includes the following heater units.

Unit Location	BTU Rating
#1 Make-up Air Unit	1,500,000
#2 Make-up Air Unit	2,000,000
#3 Make-up Air Unit	1,750,000
#1 Dust Collector Make-up Air Unit	1,750,000
#2 Dust Collector Make-up Air Unit	1,500,000
#3 Dust Collector Make-up Air Unit	1,375,000
Office Heating Unit (front office)	120,000
Office Heating Unit (back office)	120,000
Lunch Room Heating Unit	175,000
Basement Heating Unit	300,000
Truck Garage Heating (3 @ 60,000 Btu each)	180,000
Lab Heaters (2)	100,000
Dry Charge Reznor	

Source 101 consists of the following operations.

Burning Rack #1 (includes gas torch)
Burning Rack #2 (includes gas torch)
Conveyor Hood #1
Conveyor Hood #2
Stuffing Table #1
Conveyor
Grid Casting (includes ten (10) grid casting machines, two (2) 350,000 Btu lead pots, three (3) 1,000,000 Btu lead pots, and three (3) electric lead pots)
Stuffing Table #2
Stacking Booth #13
Plate Brusher
Intermediates Line #1
Posting Line #1
Posting Line #2
Posting Line #3
Small Parts Casting (includes 300,000 Btu lead pot)
DAGA Stacker

Source 102 consists of the following operations.

DYNA MAC: (includes 200,000 Btu Natural Gas Lead Pot)

Cast On Area:

TBS Line Number 1 (includes 100,000 Btu Natural Gas Lead Pot)
TBS Line Number 2 (includes 100,000 Btu Natural Gas Lead Pot)
Jugu Stacker
Work Table No 1
Work Table No 2
Tekmax Stacking Machine

Source 103 consists of the following operations.

Paste Mixing (Overhead Mezzanine)

**SECTION G. Miscellaneous.**

Plate Pasting
Flash Drying Oven

Source 105 consists of the following operations.

Dry Charge Oven
Compound Pot

This Operating Permit was administratively amended on April 11, 2006, to incorporate a change of ownership from "New Castle Battery Manufacturing Company" to "Axion Battery Products Inc.".

This Permit was administratively amended on May 26, 2011, to incorporate the change of Responsible Official from Edward R. Buiel to Philip S. Baker - COO.



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