



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: February 7, 2008

Effective Date: May 25, 2011

Revision Date: May 25, 2011

Expiration Date: February 28, 2013

Revision Type: Amendment

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: 36-05067

Synthetic Minor

Federal Tax Id - Plant Code: 13-3314606-1

Owner Information

Name: C & D TECH INC

Mailing Address: 82 E MAIN ST
LEOLA, PA 17540-1963

Plant Information

Plant: C & D TECHNOLOGIES INC / LEOLA PLT

Location: 36 Lancaster County

36954 Upper Leacock Township

SIC Code: 3691 Manufacturing - Storage Batteries

Responsible Official

Name: ROBERT KACZYNSKI

Title: PLANT MANAGER

Phone: (717) 656 - 2941

Permit Contact Person

Name: WALT KOZLOWSKI

Title: DIRECTOR - EH&S

Phone: (215) 900 - 7745

[Signature] _____

WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

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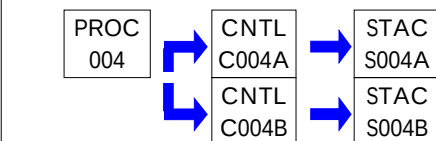
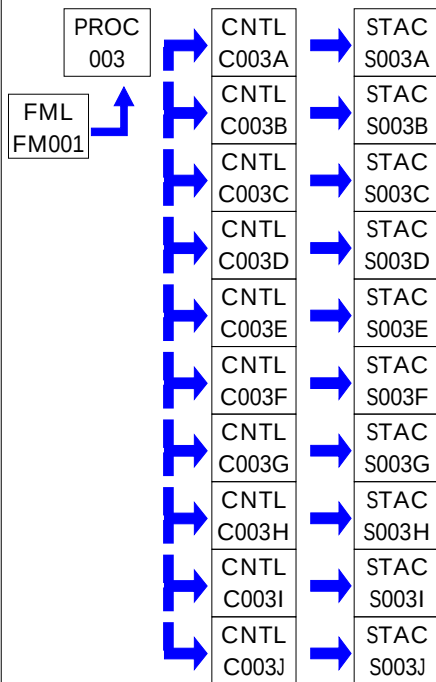
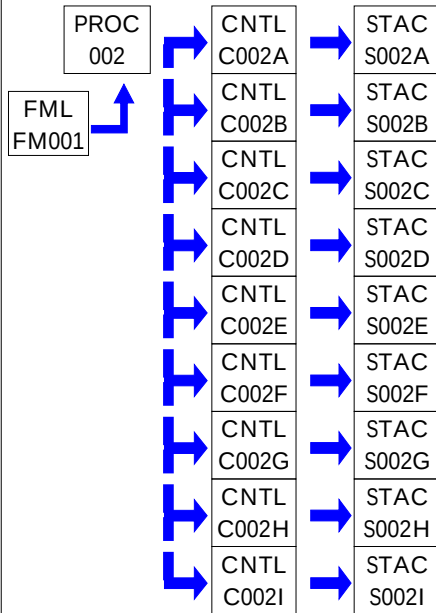
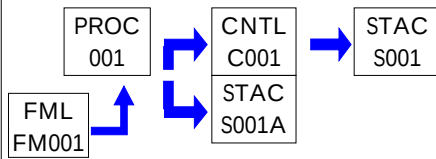
Source ID	Source Name	Capacity/Throughput	Fuel/Material
001	BATTERY GRID CASTING	5.000 Tons / HR	BATTERY GRIDS
002	PASTE MIXING	5.000 Tons / HR	LEAD OXIDE
003	THREE PROCESS FACILITY	5.000 Tons / HR	CASSETTES
004	LEAD RECLAMATION	5.000 Tons / HR	LEAD SCRAP
005	PLATE FORMATION	5.000 Tons / HR	BATTERY PLATES
006	OTHER MISC. OPERATIONS	1.000 Tons / HR	BATTERY PLATES
007	COLD CLEANING	1.000 Lbs / HR	SOLVENT
C001	RCG 3-STAGE FILTER		
C002A	FABRIC FILTER		
C002B	FABRIC FILTER		
C002C	FABRIC FILTER		
C002D	FABRIC FILTER		
C002E	FABRIC FILTER		
C002F	FABRIC FILTER		
C002G	FABRIC FILTER		
C002H	FABRIC FILTER		
C002I	SLY WET SCRUBBER		
C003A	FABRIC FILTER		
C003B	FABRIC FILTER		
C003C	FABRIC FILTER		
C003D	FABRIC FILTER		
C003E	FABRIC FILTER		
C003F	FABRIC FILTER		
C003G	FABRIC FILTER		
C003H	FABRIC FILTER		
C003I	FABRIC FILTER		
C003J	FABRIC FILTER		
C004A	FABRIC FILTER		
C004B	FABRIC FILTER		
C004C	CENTRAL VAC FILTER		
C004D	CENTRAL VAC FILTER		
C004E	CENTRAL VAC FILTER		
C005A	WET SCRUBBER		
C005B	WET SCRUBBER		
C005C	WET SCRUBBER		
C006A	FABRIC FILTER		
C006B	FABRIC FILTER		
C006C	FABRIC FILTER		
C006D	FABRIC FILTER		
C006E	FABRIC FILTER		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C006F	MIST ELIMINATOR		
FM001	NATURAL GAS		
S001	RCG FILTER STACK		
S001A	UNFILTERED EXHAUST		
S002A	FILTER STACK		
S002B	FILTER STACK		
S002C	FILTER STACK		
S002D	FILTER STACK		
S002E	FILTER STACK		
S002F	FILTER STACK		
S002G	FILTER STACK		
S002H	FILTER STACK		
S002I	SCRUBBER STACK		
S003A	FILTER STACK		
S003B	FILTER STACK		
S003C	FILTER STACK		
S003D	FILTER STACK		
S003E	FILTER STACK		
S003F	FILTER STACK		
S003G	FILTER STACK		
S003H	FILTER STACK		
S003I	FILTER STACK		
S003J	FILTER STACK		
S004A	FILTER STACK		
S004B	FILTER STACK		
S005A	SCRUBBER STACK		
S005B	SCRUBBER STACK		
S005C	SCRUBBER STACK		
S006A	FILTER STACK		
S006B	FILTER STACK		
S006C	FILTER STACK		
S006D	FILTER STACK		
S006E	FILTER STACK		
S006F	MIST ELIM. STACK		
Z007	COLD CLEANING EMISSIONS		

PERMIT MAPS

PERMIT MAPS



PERMIT MAPS

PROC
005CNTL
C005A
CNTL
C005B
CNTL
C005CSTAC
S005A
STAC
S005B
STAC
S005CPROC
006CNTL
C006A
CNTL
C006B
CNTL
C006C
CNTL
C006D
CNTL
C006E
CNTL
C006FSTAC
S006A
STAC
S006B
STAC
S006C
STAC
S006D
STAC
S006E
STAC
S006FPROC
007STAC
Z007

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.

SECTION B. General State Only Requirements

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

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension, modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(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.

SECTION B. General State Only Requirements

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

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (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.

SECTION B. General State Only Requirements

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

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

Operating Permit Modifications

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

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

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

(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

SECTION B. General State Only Requirements

Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(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

SECTION B. General State Only Requirements

in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]

Reactivation

- (a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).
- (b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 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.

SECTION B. General State Only Requirements

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

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

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given in the permit transmittal letter, or otherwise notified)

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

(e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

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

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

#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

SECTION B. General State Only Requirements

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 §123.1]

Prohibition of certain fugitive emissions

No person shall permit the emission into the outdoor atmosphere of any fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations.
- (g) 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:
 - 1) the emissions are of minor significance with respect to causing air pollution;
 - 2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air standard.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

No person shall permit the emission of particulate matter into the outdoor atmosphere from a source specified in Section C, Condition 001 if the emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]

Limitations

No person shall 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.

004 [25 Pa. Code §123.41]

Limitations

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

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

005 [25 Pa. Code §123.42]

Exceptions

The emission limitations of Section 123.41 shall not apply when:

- (1) The presence of uncombined water vapor is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of

SECTION C. Site Level Requirements

visible emissions;

(3) The emission results from sources specified in Section C, Condition 001 (relating to prohibition of certain fugitive emissions).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the facility's total actual emissions below the following levels to maintain the facility's Title V synthetic minor status:

(a) 100 tons/year of sulfur oxides

(b) 100 tons/year of nitrogen oxides

(c) 100 tons/year of carbon monoxide

(d) 100 tons/year of PM-10 (particulate matter with an effective aerodynamic diameter of less than or equal to a nominal 10 micrometer body as measured by the applicable reference method or an equal method)

(e) 50 tons/year of volatile organic compounds

(f) 10 tons/year of any individual hazardous air pollutant

(g) 25 tons/year of total combined hazardous air pollutants

The above emission limits are based upon a 12-month rolling average and apply to each consecutive 12-month period. Compliance verification requires emissions to be calculated for each month and each consecutive 12-month period. Calculation records shall be maintained on-site for the most recent five-year period and made available to Department representatives upon request.

007 [25 Pa. Code §129.14]

Open burning operations

(a) No person shall conduct the open burning of materials in such 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 and property.

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

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

(b) The requirements of Section (a), above, do not apply when the open burning operations result from:

SECTION C. Site Level Requirements

- (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.
- (c) 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.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of the sources and control devices referenced in this permit to measure emissions for purposes including verification of permit condition compliance and estimation of annual air emissions.

009 [25 Pa. Code §139.1]

Sampling facilities.

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

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions (referenced in Section C, Conditions 004, 005 and 012) may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and certified in EPA Method 9, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain instrumentation to measure the pressure drop across each scrubber and fabric filter along with the pH of the liquid in each wet scrubber referenced in this operating permit.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible stack emissions, visible emissions leaving the premises and odorous air emissions as follows:

- (a) Stack emissions in excess of the limits stated in Section C, Condition 004. Visible stack emissions may be measured according to the methods specified in Section C, Condition 010, or alternatively, plant personnel who observe visible stack

SECTION C. Site Level Requirements

emissions may report the incidence of visible stack emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible stack emissions.

- (b) The presence of visible emissions beyond the plant boundaries as stated in Section C, Condition 002.
- (c) The presence of odorous air emissions beyond the plant boundaries as stated in Section C, Condition 003.

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of weekly inspections conducted in accordance with Section C, Condition 012. At a minimum, these records shall include the following information:

- (1) The name of the company representative conducting each inspection.
- (2) The date and time of each inspection.
- (3) The wind direction during each inspection.
- (4) A description of the emissions and/or malodors observed and the actions taken to mitigate them.

The permittee shall maintain these records for a minimum of five years and shall make them available to Department representatives upon request.

V. REPORTING REQUIREMENTS.

014 [25 Pa. Code §127.442]

Reporting requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 135.3]

The permittee shall submit an annual report to the Air Quality District Supervisor, 1661 Old Philadelphia Pike, Lancaster, PA 17602 that includes the following:

- (a) monthly lead throughput
- (b) monthly battery production
- (c) annual emissions of each of the pollutants listed in Section C, Condition 006

The report for each January 1st through December 1st period is due no later than March 1st of the following year for each year authorized by the operating permit or its renewal.

The permittee may request an extension of time from the Department for the filing of the annual report specified above and the Department may grant the extension for reasonable cause.

015 [25 Pa. Code §127.442]

Reporting requirements.

The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

- (a) Malfunction which poses an imminent danger to the public health, safety, welfare, and environment, shall be

SECTION C. Site Level Requirements

immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two (2) hours after the incident. Telephone reports can be made to the Air Quality Program at (717) 390-2360 during normal business hours, or to the Department's Emergency Hotline at (877) 333-1904 at any time. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirement of subsection (a) above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

VI. WORK PRACTICE REQUIREMENTS.

016 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Section C, Condition 001 (a) through (e) from becoming airborne. The actions shall include, but are not limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, materials 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.

017 [25 Pa. Code §127.444]

Compliance requirements.

The permittee shall operate and maintain the emission sources and air cleaning devices referenced in this permit in accordance with the manufacturer's general recommendations and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Sources subject to 40 CFR Part 60 Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants shall comply with all applicable requirements of the Subpart. 40 CFR Part 60, Section 60.4 requires submission of copies of all requests, reports and other communications to both the EPA and the Department. The EPA copies shall be forwarded to:

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

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: 001

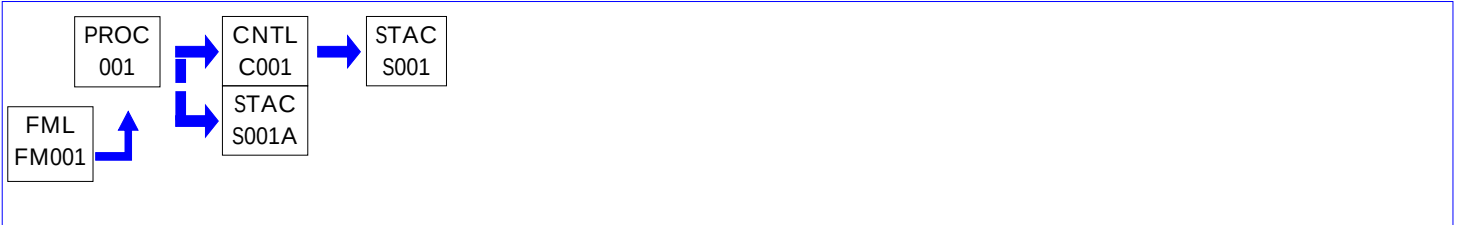
Source Name: BATTERY GRID CASTING

Source Capacity / Throughput:

5.000 Tons / HR

BATTERY GRIDS

Conditions for this source occur in the following groups: 001 NSPS SOURCES



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Opacity from each Source ID 001 grid casting unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0% opacity as measured according to EPA Method 9 and rounded to the nearest whole percentage.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Lead emissions from each Source ID 001 grid casting unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0.000176 grains per dry standard cubic foot of exhaust.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

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) and /or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

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) and /or Section E (Source Group Restrictions).



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) and / or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 002

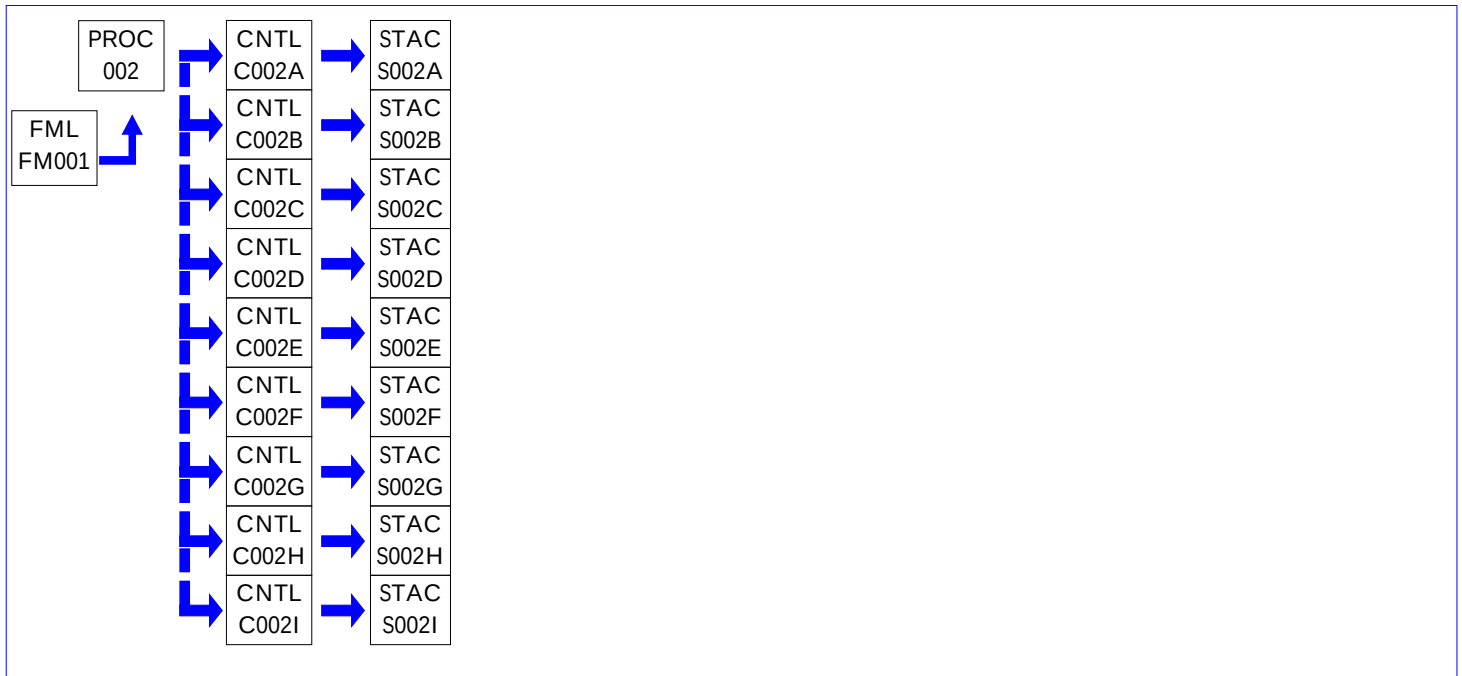
Source Name: PASTE MIXING

Source Capacity / Throughput:

5.000 Tons / HR

LEAD OXIDE

Conditions for this source occur in the following groups: 001 NSPS SOURCES



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Lead emissions from each Source ID 002 paste mixing unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0.00044 grains per dry standard cubic foot of exhaust.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Opacity from each Source ID 002 paste mixing unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0% opacity as measured according to EPA Method 9 and rounded to the nearest whole percentage.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and / or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and / or Section E (Source Group Restrictions).

SECTION D. Source Level 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) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 003

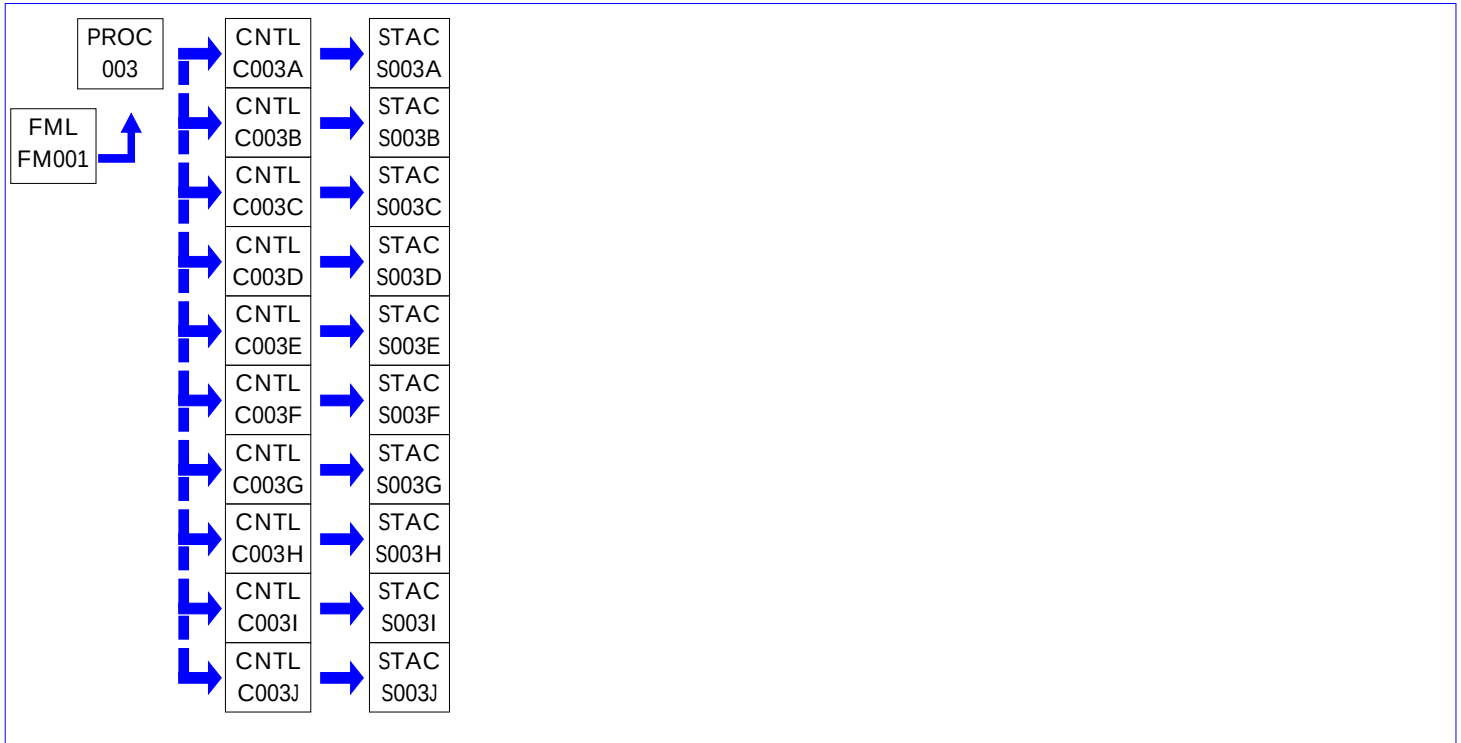
Source Name: THREE PROCESS FACILITY

Source Capacity / Throughput:

5.000 Tons / HR

CASSETTES

Conditions for this source occur in the following groups: 001 NSPS SOURCES



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Lead emissions from each Source ID 003 three-process unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0.00044 grains per dry standard cubic foot of exhaust.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Opacity from each Source ID 003 three-process unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0% opacity as measured according to EPA Method 9 and rounded to the nearest whole percentage.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level 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) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 004

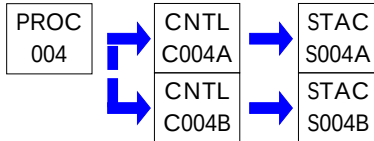
Source Name: LEAD RECLAMATION

Source Capacity / Throughput:

5.000 Tons / HR

LEAD SCRAP

Conditions for this source occur in the following groups: 001 NSPS SOURCES



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Opacity from each Source ID 004 lead reclamation unit subject to 40 CFR Part 60 Subpart KK shall not exceed 5% opacity as measured according to EPA Method 9 and rounded to the nearest whole percentage.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Lead emissions from each Source ID 004 lead reclamation unit subject to 40 CF Part 60 Subpart KK shall not exceed 0.00198 grains per dry standard cubic foot of exhaust.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

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) and /or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

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) and /or Section E (Source Group Restrictions).



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) and / or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 005

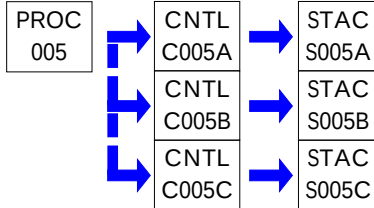
Source Name: PLATE FORMATION

Source Capacity / Throughput:

5.000 Tons / HR

BATTERY PLATES

Conditions for this source occur in the following groups: 001 NSPS SOURCES



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Opacity from each Source ID 005 plate formation unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0% opacity as measured according to EPA Method 9 and rounded to the nearest whole percentage.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Lead emissions from each Source ID 005 plate formation unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0.00044 grains per dry standard cubic foot of exhaust.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).



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) and / or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 006

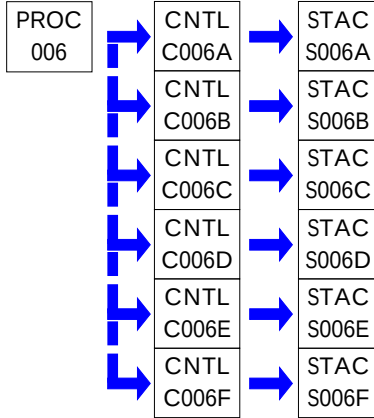
Source Name: OTHER MISC. OPERATIONS

Source Capacity / Throughput:

1.000 Tons / HR

BATTERY PLATES

Conditions for this source occur in the following groups: 001 NSPS SOURCES



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Lead emissions from each Source ID 006 miscellaneous operations unit subject to 40 CFR Part 60 Subpart KK shall not exceed 0.00044 grains per dry standard cubic foot of exhaust.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Opacity from each Source ID 006 miscellaneous operations unit subject to 40 CFR Part 60 Subaprt KK shall not exceed 0% opacity as measured according to EPA Method 9 and rounded to the nearest whole percentage.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).

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) and /or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and /or Section E (Source Group Restrictions).



SECTION D. Source Level 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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

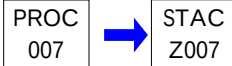
Source ID: 007

Source Name: COLD CLEANING

Source Capacity / Throughput:

1.000 Lbs / HR

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.

001 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall maintain the following records on and after December 22, 2002:

- (a) The name and address of the solvent supplier.
- (b) The type of solvent including the product or vendor identification number.
- (c) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

An invoice, bill of sale, or 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.

The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its 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.

002 [25 Pa. Code §129.63]

Degreasing operations

Each Source ID 007 unit shall have a permanent, conspicuous label summarizing the operating requirements in Condition #003. 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

SECTION D. Source Level Requirements

should be positioned so that solvent drains directly back to the unit.

(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.

003 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall operate each Source ID 007 unit in accordance with the following procedures:

(a) 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.

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

(c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in Source ID 007 units.

(d) Air-agitated solvent baths may not be used.

(e) Spills during solvent transfer and use of each Source ID 007 unit shall be cleaned up immediately.

004 [25 Pa. Code §129.63]

Degreasing operations

Each Source ID 007 unit shall be equipped with one of the following:

(a) A cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent.

(b) A perforated drain with a diameter of not more than six (6) inches, if the unit drains directly into the solvent storage reservoir.

005 [25 Pa. Code §129.63]

Degreasing operations

Degreasing activities shall be conducted in accordance with the applicable requirements of 25 Pa. Code Section 129.63 to include the following:

(a) After December 22, 2002, Source ID 007 units shall not employ 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.

(b) This permit condition does not apply when:

(1) Source ID 007 units are used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

- (A) Oxygen in concentrations greater than 23%
- (B) Ozone
- (C) Nitrous oxide
- (D) Fluorine

SECTION D. Source Level Requirements

- (E) Chlorine
- (F) Bromine
- (G) Halogenated compounds

(2) The permittee demonstrates, and the Department approves in writing, that compliance with this permit condition will result in unsafe operating conditions.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §129.63]

Degreasing operations

All of the aforementioned permit conditions apply to each Source ID 007 unit so long as the cold cleaning machine uses 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

SECTION E. Source Group Restrictions.

Group Name: 001 NSPS SOURCES

Group Description:

Sources included in this group:

ID	Name
001	BATTERY GRID CASTING
002	PASTE MIXING
003	THREE PROCESS FACILITY
004	LEAD RECLAMATION
005	PLATE FORMATION
006	OTHER MISC. OPERATIONS

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

60.372(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:

60.372(a)(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 (0.000175 gr / dscf).

60.372(a)(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 (0.000437 gr / dscf).

60.372(a)(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 (0.000437 gr / dscf).

60.372(a)(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).

60.372(a)(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 (0.00197 gr / dscf).

60.372(a)(6)

From any other lead-emitting operation any gases that contain in excess of 1.00 milligram of lead per dry standard cubic meter of exhaust (0.000437 gr / dscf).

60.372(a)(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).

60.372(a)(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).

60.372(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:

SEE EQUATION IN 40 CFR PART 60 SUBPART KK 60.372(B)

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.

SECTION E. Source Group Restrictions.

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.
[47 FR 16573, Apr. 16, 1982, as amended at 65 FR 61760, Oct. 17, 2000]

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

60.374(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).

60.374(b)

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

60.374(b)(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).

60.374(b)(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:

SEE EQUATION IN 40 CFR PART 60 SUBPART KK 60.374(b)(2)

where:

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

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

Qsda=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.

60.374(b)(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.

60.374(c)

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

60.374(c)(1)

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

SEE EQUATION IN 40 CFR PART 60 SUBPART KK 60.374(c)(1)

where:

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

CPbi=concentration of lead from emission point i mg / dscm (gr / dscf).

Qsdi=volumetric flow rate of effluent gas from emission point i, dscm / hr (sdcf / 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 (7000 gr / lb).

60.374(c)(2)

Method 12 shall be used to determine the lead concentration (CPb) and the volumetric flow rate (Qsd) 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).

60.374(c)(3)

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

$P = N W / T$

where:

N=number of lead pigs (ingots) charged.

SECTION E. Source Group Restrictions.

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

T=duration of run, hr.

[54 FR 6675, Feb. 14, 1989, as amended at 65 FR 61760, Oct. 17, 2000]

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

60.373

The owner or operator of any lead-acid battery manufacturing facility subject to the provisions of this subpart and controlled by a scrubbing system(s) shall install, calibrate, maintain, and operate a monitoring device(s) that measures and records the pressure drop across the scrubbing system(s) at least once every 15 minutes. The monitoring device shall have an accuracy of ± 5 percent over its operating range.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Records of all requests, reports, applications, submittals and other communications required under 40 CFR Part 60 Subpart KK shall be maintained on-site for the most recent five-year period and made available to Department representatives upon request. This includes emission test results and other data necessary to determine total emissions.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Group 001 sources are subject to 40 CFR Part 60 Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants and shall comply with all applicable requirements of the Subpart. 40 CFR Part 60, Section 60.4 requires submission of copies of all requests, reports and other communications to both the EPA and the Department. The EPA copies shall be forwarded to:

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

The following sources and activities are not subject to any specific work practice standards, testing, monitoring, recordkeeping or reporting requirements:

1. Air conditioning systems
2. Office equipment
3. Janitorial equipment
4. Plant maintenance (painting, welding, woodworking, cleaning, etc.)
5. Mobile sources (trucks, forklifts, snowblowers, etc.)
6. Fuel oil, gasoline, propane and other storage tanks
7. Emergency equipment (generators, lights, pumps, etc. and training)
8. Materials handling and storage
9. Laboratory/analytical activities
10. Research and development activities

Source ID 001 (battery grid casting) includes the following:

Three lead pots with carousels (EP 60 and 66)
Three Koehring Castmasters with dross drum and cleaning station controlled by a 3-stage filter (EP 55)
Two Wirtz casters with lead pots (EP 83)
Annealing oven (EP 35)
Laboratory plate punch station controlled by a 3-stage filter (EP 62)
Five casters with lead pots controlled by a wet scrubber (EP 84)

Source ID 002 (paste mixing) includes the following:

Two semi-automatic positive plate pasting machines and one negative hand pasting station
Positive (red lead) oxide weigh station
TTB drum filter and manufacturing weigh station
TTB scale platform
TTB manufacturing weigh station
Positive paste mixing system
Positive paste weighing table
all of the above controlled by a fabric filter and HEPA filter (EP 42)

Two TTB reactors and drum filter controlled by a mist eliminator (EP 43)

Two paste mixers controlled by scrubbers (EP 74 and EP 75)

Four negative pasting stations
Negative paste mixer
all of the above controlled by a fabric filter and HEPA filter (EP 41)

One negative (grey lead) oxide silo controlled by a fabric filter (EP 10)

Two lead oxide silos (one positive and one red lead) controlled by fabric filters (EP 76 and 77)

Red lead oxide silo with loadout controlled by a fabric filter (EP11)

One lead oxide silo controlled by a fabric filter (EP 7)

One lead oxide silo controlled by a fabric filter (EP 6)

Poly cap machine
Positive plate lug brush
Positive plate pellet repair stations with waste drum

SECTION H. Miscellaneous.

all of the above controlled by a fabric filter (EP 8)

Two MAC pasting machines controlled by an impingement scrubber (EP 5)

Four OSI batch ovens (EP 44, 45, 46 and 47)

Three LTG batch ovens (EP 70, 71 and 72)

One CO2 curing chamber (EP 81)

Pasting line, two plate take-off stations, flash drier and two cassette loading areas controlled by fabric filter and HEPA (EP 69)

Source ID 003 (three-process facility) includes the following:

Laser bonder

Four cell stacking stations

all of the above controlled by a fabric filter (EP 21)

One Tekmax machine and one stuffer controlled by a fabric filter (EP 86)

Two laser bonders controlled by fabric filters (EP 58 and 63)

Positive/negative post brushing station controlled by a fabric filter (EP 22)

Round cell hand torching station controlled by a fabric filter (EP 25)

One Tekmax machine, two stuffers, one COS, one heat seal, one post-burn controlled by a fabric filter (EP 87)

Two bus bar burning stations

Two cassette post brushing stations

all of the above controlled by a fabric filter (EP 50)

One cassette brushing station controlled by a fabric filter (EP 27)

Four round cell negative center pours controlled by a fabric filter (EP 23)

Two round cell negative center pour work benches controlled by a fabric filter (EP 24)

Source ID 004 (lead reclamation) includes the following:

Lead remelt pot controlled by two fabric filters (EP 19)

Three central vacuum systems controlled by fabric filters (EP 16, 17 and 82)

Source ID 005 (battery plate formation) includes the following:

Seven Tiegel ovens (2 @ EP 57; 4 @ EP 18 and 1 @ EP 77)

Formation tank battery 1

all of the above controlled by a wet scrubber (EP 18)

Formation tank battery 3

controlled by a wet scrubber (EP 57)

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Formation tank battery 4
controlled by a wet scrubber (EP 77)

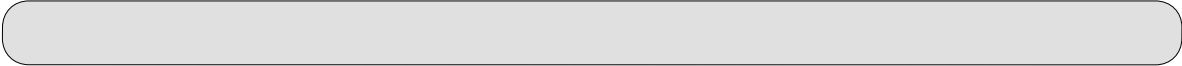
Source ID 006 (other lead-emitting operations) includes the following:

Two turning and facing stations controlled by a fabric filter (EP 13)

Two turning and facing stations controlled by a fabric filter (EP 64)

Three negative plate insulation stations controlled by a fabric filter (EP 65)

Two post file stations controlled by a fabric filter (EP 14)



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