

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

## STATE ONLY OPERATING PERMIT

Issue Date: April 1, 2014

Effective Date: April 1, 2014

Expiration Date: March 31, 2019

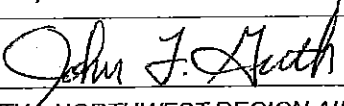
In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) 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: 25-00066

Synthetic Minor

Federal Tax Id - Plant Code: 76-0534862-1

Owner Information
Name: ACCURIDE CORP Mailing Address: 1015 E 12TH ST ERIE, PA 16503-1520
Plant Information
Plant: ACCURIDE ERIE LP/ERIE FORGE PLT Location: 25 Erie County 25001 Erie City SIC Code: 3463 Manufacturing - Nonferrous Forgings
Responsible Official
Name: STEVEN KUHN Title: DIRECTOR OF OPERATIONS Phone: (814) 480 - 6400
Permit Contact Person
Name: MATTHEW F. BRADY Title: EHS COORDINATOR Phone: (814) 480 - 6400
[Signature]  JOHN F. GUTH, NORTHWEST REGION AIR PROGRAM MANAGER

FILE: AQ\FACILITIES\FACOP\SM-25-  
00066.

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

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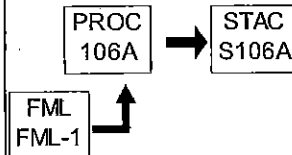
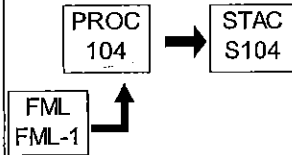
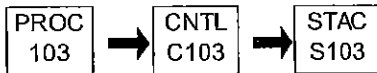
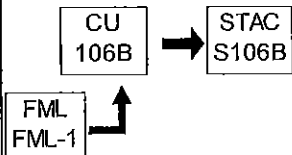
## SECTION A Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
106B	1995 (HEAT TREAT 2) QUENCH TANK	1.000 MMBTU/HR	
		1.000 MCF/HR	Natural Gas
102	8000 TON FORGING PRESS (LINE 1)	7.500 Tons/HR	ALUMINUM FORGINS
103	7000 TON FORGING PRESS (LINE 4)	5.000 Tons/HR	ALUMINUM FORGINGS
104	2000 (HEAT TREAT 3) HEAT TREATING FURNACES	23.000 MCF/HR	ALUMINUM WHEELS
106A	1995 (HEAT TREAT 2) SOLUTION FURNANCE	9.500 MCF/HR	Natural Gas
106C	1995 (HEAT TREAT 2) AGE FURNACE	3.500 MCF/HR	Natural Gas
107	(2) COLD CLEANING MACHINES (4-4 & 22-7)	N/A	
108	PROCESS HEATING - NATURAL GAS USAGE	51.060 MCF/HR	Natural Gas
109	MISCELLANEOUS NATURAL GAS USAGE	97.550 MCF/HR	NATURAL GAS
110	(9) WHEEL WASHERS (5-6, 5-7, 5-10, 285,585,785,885,985 & ML)	3.000 MCF/HR	Natural Gas
		N/A	
111	(2) CARBOTTOM FURNACES	N/A	ALUMINUM DIES
112A	2006 (HEAT TREAT 4) SOLUTION FURNACE	9,804.000 CF/HR	Natural Gas
112B	2006 (HEAT TREAT 4) QUENCH TANK	980.000 CF/HR	Natural Gas
112C	2006 (HEAT TREAT) AGE FURNACE	5,882.000 CF/HR	Natural Gas
113	7000 TON FORGE LINE 5	4.000 MMBTU/HR	
114	7000 TON FORGE LINE 6	4.000 MMBTU/HR	
115	WHEEL MACHINING LINES 2, 8 & 9	100.000 Gal/HR	
116	POLISHING CELLS (5)	100.000 Gal/HR	
117	EMERGENCY GENERATOR 150 HP SI, NATURAL GAS	1,012.000 MCF/HR	Natural Gas
118	EMERGENCY FIRE WATER PUMP, 4CY, DIESEL	7.300 Gal/HR	
C102	8000 TON PRESS VENTURI SCRUBBER		
C103	7000 TON PRESS VENTURI SCRUBBER		
C113	7000 TON FORGE LINE 5 WET SCRUBBER		
C114	7000 TON FORGE LINE 6 WET SCRUBBER		
C115A	SMOG HOG (2) FOR LINE 2		
C115B	SMOG HOG (2) FOR LINE 8		
C115C	SMOG HOG FOR LINE 9		
C116A	VENTURI SCRUBBER FOR POLISHING CELLS 1-4		
C116B	VENTURI SCRUBBER FOR POLISHING CELL 5		
FML-1	NATURAL GAS PIPELINE		
FML2	DISEL FUEL		
S102	8000 TON PRESS STACK		
S103	7000 TON PRESS STACK		
S104	(8) 2000 HEAT TREAT. FURNACES STACKS		
S106A	1995 SOLUTION FURNACE STACK		
S106B	1995 QUENCH TANK STACK		
S106C	1995 AGE FURNACE STACK		
S108	PROCESS NAT. GAS USAGE STACK		

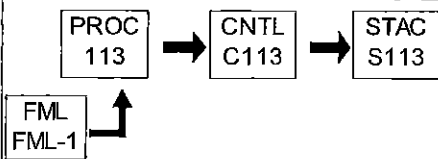
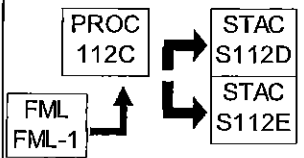
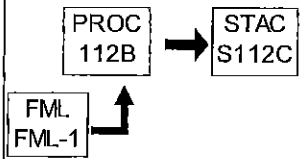
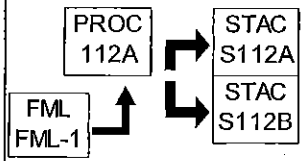
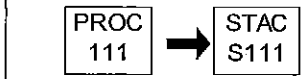
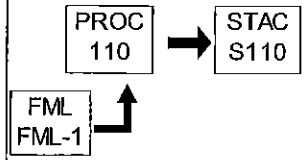
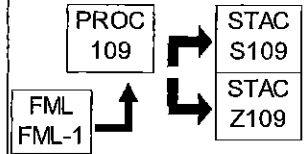
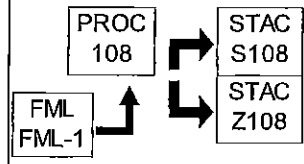
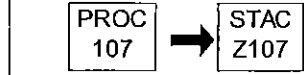
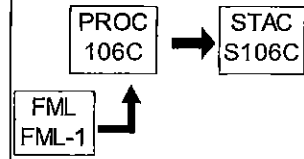
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S109	MISC. NAT. GAS USAGE STACK		
S110	(9) WHEEL WASHER STACKS		
S111	(2) CARBOTTOM FURNACES STACKS		
S112A	2006 SOLUTION FURNACE RM700 STACK		
S112B	2006 SOLUTION FURNACE RM300 STACK		
S112C	2006 QUENCH TANK STACK		
S112D	2006 AGE FURNACE RM200 STACK		
S112E	2006 AGE FURNACE RM200 STACK		
S113	7000 TON FORGE LINE 5 STACK		
S114	7000 TON FORGE LINE 6 STACK		
S115A	SMOG HOG STACK FOR LINE 2		
S115B	STACK FROM SMOG HOG FOR LINE 8		
S115C	STACK FROM SMOG HOG FOR LINE 9		
S116A	STACK FROM POLISHING CELLS 1-4		
S116B	STACK FROM POLISHING CELL 5		
S117	STACK FROM EMERGENCY GENERATOR		
S118	STACK FROM EMERGENCY FIRE WATER PUMP		
Z107	COLD CLEANING MACHINES FUGITIVES		
Z108	PROCESS NAT. GAS USAGE FUGITIVES		
Z109	MISC. NAT. GAS USAGE FUGITIVES		

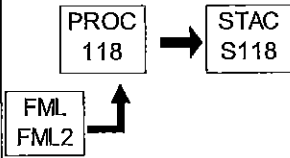
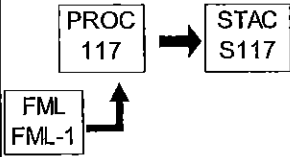
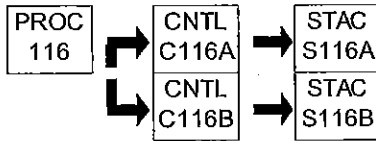
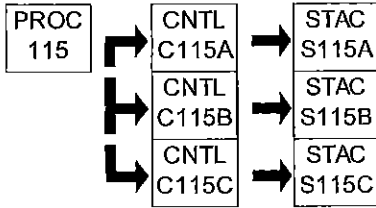
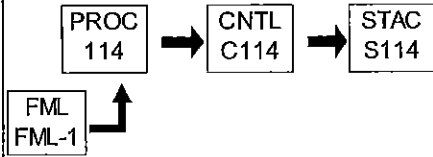
PERMIT MAPS



PERMIT MAPS



PERMIT MAPS



## SECTION B. General State Only Requirements

**#001 [25 Pa. Code § 121.1]****Definitions.**

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

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

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

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

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

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

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

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



## SECTION B. General State Only Requirements

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

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

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

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

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

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

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

**Transfer of Operating Permits.**

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

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

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

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

**Inspection and Entry.**

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

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

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

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

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

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

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

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

**Compliance Requirements.**

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## SECTION 13. General State Only Requirements

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

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

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

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

**#012 [25 Pa. Code § 127.441]**

**Severability Clause.**

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

**#013 [25 Pa. Code § 127.449]**

**De Minimis Emission Increases.**

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

(5) Laboratory equipment used exclusively for chemical or physical analysis.

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

(e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

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

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

## SECTION B. General State Only Requirements

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

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

**#015 [25 Pa. Code § 127.11]**

**Reactivation**

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

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

**#016 [25 Pa. Code § 127.36]**

**Health Risk-based Emission Standards and Operating Practice Requirements.**

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

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

**#017 [25 Pa. Code § 121.9]**

**Circumvention.**

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

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

**Reporting Requirements.**

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

## SECTION C. Site Level Requirements

## I. RESTRICTIONS.

## Emission Restriction(s).

## # 001 [25 Pa. Code §123.1]

**Prohibition of certain fugitive emissions**

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 in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (i) the emissions are of minor significance with respect to causing air pollution; and
  - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

## # 002 [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 Section C, 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.

## # 003 [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.

## # 004 [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.
- (2) Equal to or greater than 60% at any time.

## # 005 [25 Pa. Code §123.42]

**Exceptions**

The limitations of §123.41 (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.

**SECTION C. Site Level Requirements**

(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 Section C, Condition #001 (relating to prohibition of certain fugitive emissions).

(4) Not applicable.

**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The company shall limit the facility-wide emissions of carbon monoxide to 95 tons per year, or less.

**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.

**# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The company shall monitor the amount of natural gas combusted in the facility on a monthly basis.

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

a) The company shall keep an on-site facility log for monthly totals of carbon monoxide emissions from all processes at the facility. The monthly total shall be added to the previous 11-months to assure compliance with this plan approval.

b) The company shall keep an on-site facility log for monthly totals of nitrogen oxides emissions (calculated as nitrogen dioxide) from all processes at the facility. The monthly total shall be added to the previous 11-months to assure compliance with this plan approval.

c) The facility shall record the natural gas combusted in the facility each month.

**# 010 [25 Pa. Code §135.5]****Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with §§135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.



## SECTION C. Title Level Requirements

## V. REPORTING REQUIREMENTS.

**# 011 [25 Pa. Code §135.21]****Emission statements**

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not applicable.

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOC's or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

**# 012 [25 Pa. Code §135.3]****Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) A source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

**# 013 [25 Pa. Code §135.4]****Report format**

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

## VI. WORK PRACTICE REQUIREMENTS.

**# 014 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act.

## SECTION C. Site Level Requirements

**# 015 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified Section C, 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.
- (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.

**# 016 [25 Pa. Code §129.14]****Open burning operations**

- (a) Air basins. No person may permit the open burning of material in an air basin.
- (b) Outside of air basins. Not applicable.
- (c) Exceptions: The requirements of subsections (a) and (b) 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) Not applicable.
  - (5) Not applicable.
  - (6) A fire set solely for recreational or ceremonial purposes.
  - (7) A fire set solely for cooking food.
- (d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:
  - (1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

- (2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:
  - (i) Air curtain destructors shall be used when burning clearing and grubbing wastes.
  - (ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning.

**SECTION C State Only Requirements**

Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).

(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.

(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

(3) Not applicable.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[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.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.



**SECTION D. Source Level Requirements**

Source ID: 106B

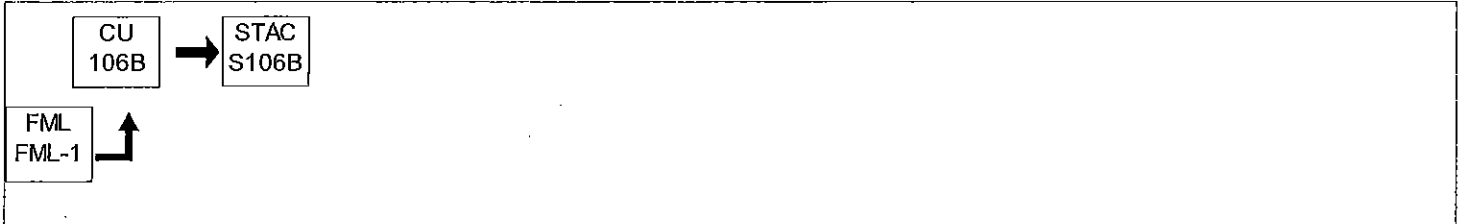
Source Name: 1995 (HEAT TREAT 2) QUENCH TANK

Source Capacity/Throughput:

1.000 MMBTU/HR

1.000 MCF/HR

Natural Gas



**I. RESTRICTIONS.**

**Emission Restriction(s).**

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

**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.**

**# 002 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 The permittee shall operate and maintain this source in accordance with the manufacturer's specifications.

**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

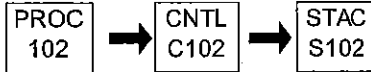
Source ID: 102

Source Name: 8000 TON FORGING PRESS (LINE 1)

Source Capacity/Throughput:

7.500 Tons/HR

ALUMINUM FORGINS



## I. RESTRICTIONS.

## Emission Restriction(s).

# 001 [25 Pa. Code §127.12b]

## Plan approval terms and conditions.

The 8000 ton press is subject to the particulate emission rate of 0.02 gr/dscf.

[From Condition #5 of Plan Approval # PA-25-066D. Compliance with this streamlined permit condition assures compliance with the applicable requirement in 25 Pa. Code §123.13.]

## II. TESTING REQUIREMENTS.

# 002 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The Department reserves the right to require source testing in accordance with applicable provisions of Chapter 139 to show compliance with 25 Pa. Code §123.13 for the use of water based lubricants. The stack test shall be performed while the source is operating at the maximum rated capacity as stated in the application.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in Condition #7 of Plan Approval # PA-25-066B.]

## 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.

Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the venturi scrubber is monitored automatically and the alarm indicator light is operational.

# 004 [25 Pa. Code §127.12b]

## Plan approval terms and conditions.

The facility shall maintain a log of all preventive maintenance inspections of the control devices. The inspection logs at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered, the steps taken to correct them, and the measured pressure drop and water flow rate for each of the scrubbers.

[From Condition #14 of Plan Approval # PA-25-066D]

## 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 differential manometer or equivalent shall be permanently installed and maintained at a conveniently readable location to indicate the pressure drop across each of the three venturi scrubbers.

[From Condition #10 of Plan Approval # PA-25-066D]

**# 006 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**

A rotameter or equivalent shall be permanently installed and maintained at a conveniently readable location to indicate the water flow rate to each of the three scrubbers.

[From Condition #11 of Plan Approval # PA-25-066D]

**# 007 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**

An operating pressure drop of at least 12 inches w.g. shall be maintained across the throat of the venturi scrubber and a water flow rate of 220 gallons per minute to the scrubber shall be maintained.

[From Condition #12 of Plan Approval # PA-25-066D]

**# 008 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**

The sources shall not be operated without the air pollution control devices.

[From Condition #12 of Plan Approval # PA-25-066D]

**# 009 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**

The sources and air pollution control devices shall be operated in accordance with the manufacturer's specifications and consistent with good air pollution control practices.

[From Condition #13 of Plan Approval # PA-25-066D]

## 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

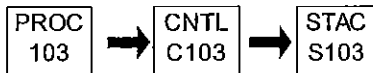
Source ID: 103

Source Name: 7000 TON FORGING PRESS (LINE 4)

Source Capacity/Throughput:

5,000 Tons/HR

ALUMINUM FORGINGS



## I. RESTRICTIONS.

## Emission Restriction(s).

# 001 [25 Pa. Code §127.12b]

## Plan approval terms and conditions.

The 7000 ton press is subject to the particulate emission rate of 0.01 gr/dscf.

[From Condition #5 of Plan Approval # PA-25-066D. Compliance with this streamlined permit condition assures compliance with the applicable requirement in 25 Pa. Code §123.13.]

## 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 §127.12b]

## Plan approval terms and conditions.

Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the venturi scrubber is monitored automatically and the alarm indicator light is operational.

# 003 [25 Pa. Code §127.12b]

## Plan approval terms and conditions.

The facility shall maintain a log of all preventive maintenance inspections of the control devices. The inspection logs at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered, the steps taken to correct them, and the measured pressure drop and water flow rate for each of the scrubbers.

[From Condition #14 of Plan Approval # PA-25-066D]

## 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 §127.12b]

## Plan approval terms and conditions.

A differential manometer or equivalent shall be permanently installed and maintained at a conveniently readable location to indicate the pressure drop across each of the three venturi scrubbers.



## SECTION D. Source Level Requirements

[From Condition #10 of Plan Approval # PA-25-066D]

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

A rotameter or equivalent shall be permanently installed and maintained at a conveniently readable location to indicate the water flow rate to each of the three scrubbers.

[From Condition #11 of Plan Approval # PA-25-066D]

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The sources shall not be operated without the air pollution control devices.

[From Condition #12 of Plan Approval # PA-25-066D]

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The sources and air pollution control devices shall be operated in accordance with the manufacturer's specifications and consistent with good air pollution control practices.

[From Condition #13 of Plan Approval # PA-25-066D]

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

An operating pressure drop of at least 12 inches w.g. shall be maintained across the throat of the venturi scrubber and a water flow of at least 140 gallons per minute to the scrubber shall be maintained.

**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**

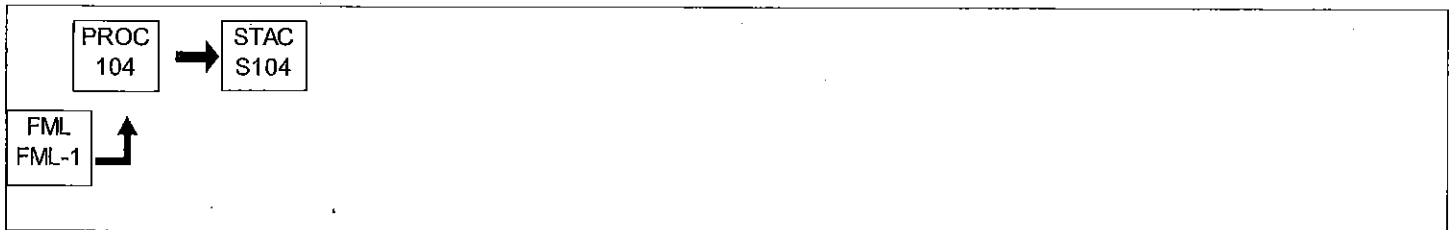
Source ID: 104

Source Name: 2000 (HEAT TREAT 3) HEAT TREATING FURNACES

Source Capacity/Throughput:

23,000 MCF/HR

ALUMINUM WHEELS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The emissions for the source shall not exceed the following based on 8,760 hours per year of operation:

Pollutant	Emission Rate	Emission Rate
CO	1.29 lbs/hr	5.6 TPY
SOx	0.01 lbs/hr	0.04 TPY
TOC	0.13 lbs/hr	0.569 TPY
PM10	0.28 lbs/hr	1.23 TPY
NOx	1.77 lbs/hr	7.75 TPY

[From Condition #6 of Plan Approval # PA-25-066C]

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The source shall only be fired with natural gas.

[From Condition #7 of Plan Approval # PA-25-066C]

**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 owner/operator must maintain records of natural gas use. These records shall be kept at the facility for a period of five years.

[From Condition #7 of Plan Approval # PA-25-066C]

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

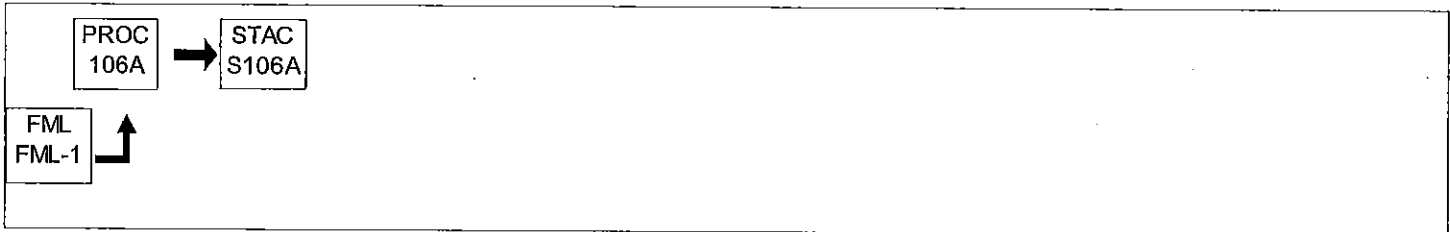
**VII. ADDITIONAL REQUIREMENTS.**

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: 106A      Source Name: 1995 (HEAT TREAT 2) SOLUTION FURNANCE  
 Source Capacity/Throughput:      9.500 MCF/HR      Natural Gas



## I. RESTRICTIONS.

## Emission Restriction(s).

# 001 [25 Pa. Code §123.13]

## Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

# 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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

## 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.

# 003 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

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

## 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**

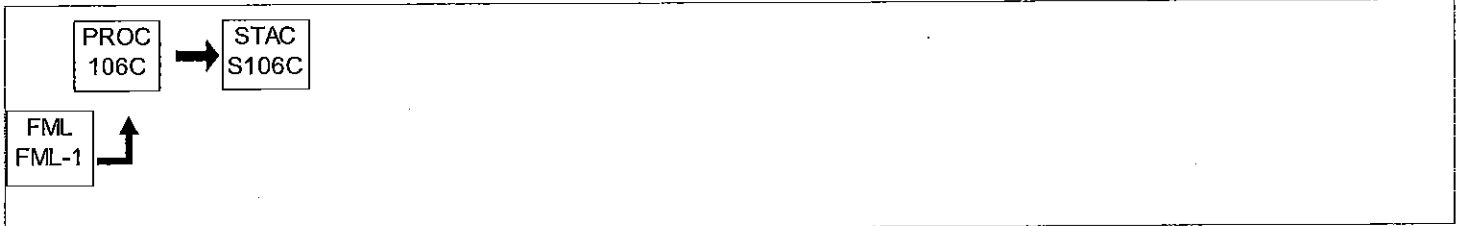
Source ID: 106C

Source Name: 1995 (HEAT TREAT 2) AGE FURNACE

Source Capacity/Throughput:

3.500 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

# 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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**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.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

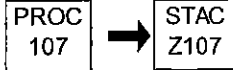
## SECTION D. Source Level Requirements

Source ID: 107

Source Name: (2) COLD CLEANING MACHINES (4-4 &amp; 22-7)

Source Capacity/Throughput:

N/A

**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 §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.

(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.

## SECTION D. Source Level Requirements

(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) Not applicable.

(c) Not applicable.

(d) Not applicable.

**SECTION D. Source Level Requirements.**

(e) Not applicable.

**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**

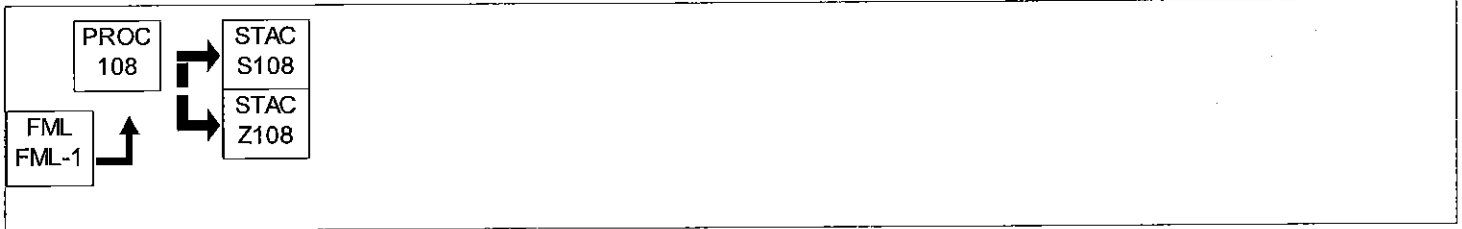
Source ID: 108

Source Name: PROCESS HEATING - NATURAL GAS USAGE

Source Capacity/Throughput:

51.060 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

# 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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 003 [25 Pa. Code §123.22]

**Combustion units**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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



**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: 109

Source Name: MISCELLANEOUS NATURAL GAS USAGE

Source Capacity/Throughput: 97.550 MCF/HR NATURAL GAS



**I. RESTRICTIONS.**

**Emission Restriction(s).**

# 001	[25 Pa. Code §123.13]
<b>Processes</b>	
No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.	
# 002	[25 Pa. Code §123.21]
<b>General</b>	
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 SO <sub>2</sub> , in the effluent gas exceeds 500 parts per million, by volume, dry basis.	
# 003	[25 Pa. Code §123.22]
<b>Combustion units</b>	
No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO <sub>2</sub> , from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period.	

**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]
<b>Operating permit terms and conditions.</b>	
The permittee shall operate and maintain this source in accordance with the manufacturer's specifications.	

## 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: 110

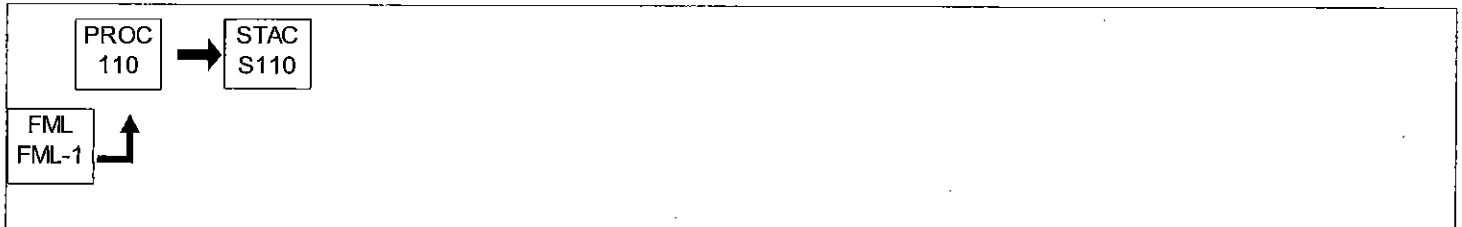
Source Name: (9) WHEEL WASHERS (5-6, 5-7, 5-10, 285,585,785,885,985 &amp; ML)

Source Capacity/Throughput:

3.000 MCF/HR

Natural Gas

N/A

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

# 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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**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.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

**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

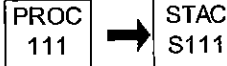
Source ID: 111

Source Name: (2) CARBOTTOM FURNACES

Source Capacity/Throughput:

N/A

ALUMINUM DIES



## I. RESTRICTIONS.

## Emission Restriction(s).

# 001 [25 Pa. Code §123.13]

## Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

## 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.

# 002 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

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

## 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

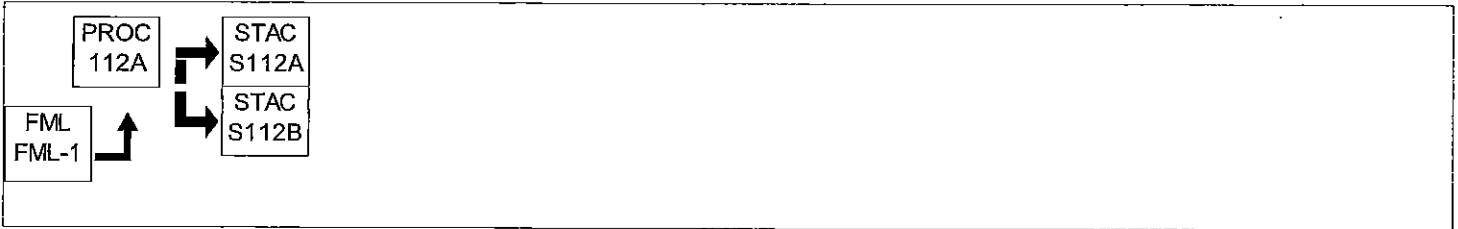
Source ID: 112A

Source Name: 2006 (HEAT TREAT 4) SOLUTION FURNACE

Source Capacity/Throughput:

9,804.000 CF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The emissions from the 2006 Heat Treat Line shall not exceed the following:

- a) The NOx emissions shall not exceed 1.37 lb/hr and 6.0 TPY (based on a 12-month rolling total).
- b) The CO emissions shall not exceed 2.07 lb/hr and 9.07 TPY (based on a 12-month rolling total).
- c) The particulate and PM-10 emissions shall not exceed 0.13 lb/hr and 0.57 TPY (based on a 12-month rolling total).
- d) The SOx emissions shall not exceed 0.01 lb/hr and 0.04 TPY (based on a 12-month rolling total).
- e) The VOC emissions shall not exceed 0.09 lb/hr and 0.40 TPY (based on a 12-month rolling total).

[Compliance with the requirements specified in the streamlined permit conditions (c and d) assures compliance with the provisions in 25 Pa. Code Sections 123.13 and 123.21, respectively].

Fuel Restriction(s).

**# 002 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The permittee shall only use natural gas for fuel for all the burners of the 2006 Heat Treat Line.

II. TESTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The Department reserves the right to require emission testing for any of the burners as may be necessary to determine compliance.

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.

**# 004 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The permittee shall keep records of the following for the 2006 Heat Treat Line:

- a) The natural gas usage based on a 12-month rolling total;

**SECTION D. Source Level Requirements**

- b) The maintenance conducted on each of the sources;
- c) Records of the annual tune-ups and adjustments of the burners;
- d) The emissions based on a 12-month rolling total.

**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.**

**# 005 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

- a) The permittee shall monitor the gas usage of each of the sources on a monthly basis.
- b) The permittee shall monitor the temperature of the age furnace, solution furnace, and quench tank on a continuous basis during all hours the sources are utilized.

**# 006 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

The permittee shall annually inspect and tune each of the burners for the 2006 heat treat line.

**VII. ADDITIONAL REQUIREMENTS.**

**# 007 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

The permittee shall install gas meters to measure the amount of natural gas each source utilizes.

**# 008 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

The permittee shall maintain and operate the sources in accordance with the manufacturer's specifications.

**# 009 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

a) The NO<sub>x</sub> and CO emissions shall be calculated on a monthly basis for the 2006 Heat Treat Line based on the vendors emission factors multiplied by the fuel usage and the hours of operation.

b) The particulate, PM-10, SO<sub>x</sub>, and VOC emissions shall be calculated on a monthly basis for the 2006 Heat Treat Line based on the most recent AP-42 emission factor multiplied by the fuel usage and the hours of operation.

**SECTION D. Source Level Requirements**

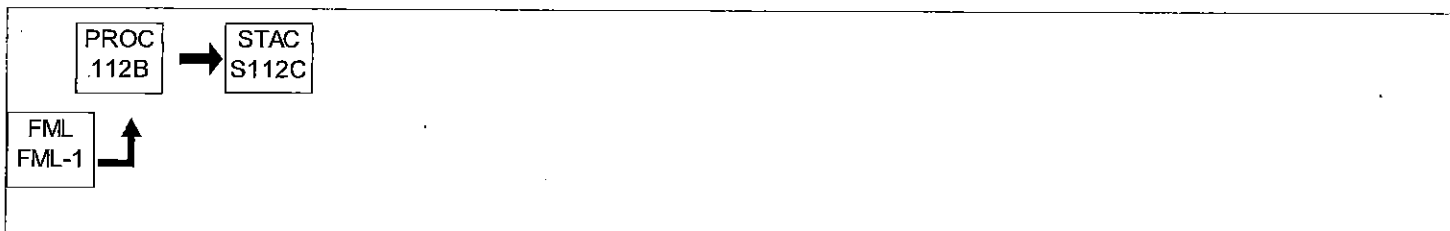
Source ID: 112B

Source Name: 2006 (HEAT TREAT 4) QUENCH TANK

Source Capacity/Throughput:

980.000 CF/HR

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The emissions from the 2006 Heat Treat Line shall not exceed the following:

- a) The NO<sub>x</sub> emissions shall not exceed 1.37 lb/hr and 6.0 TPY (based on a 12-month rolling total).
- b) The CO emissions shall not exceed 2.07 lb/hr and 9.07 TPY (based on a 12-month rolling total).
- c) The particulate and PM-10 emissions shall not exceed 0.13 lb/hr and 0.57 TPY (based on a 12-month rolling total).
- d) The SO<sub>x</sub> emissions shall not exceed 0.01 lb/hr and 0.04 TPY (based on a 12-month rolling total).
- e) The VOC emissions shall not exceed 0.09 lb/hr and 0.40 TPY (based on a 12-month rolling total).

[Compliance with the requirements specified in the streamlined permit conditions (c and d) assures compliance with the provisions in 25 Pa. Code Sections 123.13 and 123.21, respectively].

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall only use natural gas for fuel for all the burners of the 2006 Heat Treat Line.

**II. TESTING REQUIREMENTS.****# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Department reserves the right to require emission testing for any of the burners as may be necessary to determine compliance.

**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.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall keep records of the following for the 2006 Heat Treat Line:

- a) The natural gas usage based on a 12-month rolling total;





**SECTION D. Source Level Requirements**

- b) The maintenance conducted on each of the sources;
- c) Records of the annual tune-ups and adjustments of the burners;
- d) The emissions based on a 12-month rolling total.

**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.**

- # 005 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 a) The permittee shall monitor the gas usage of each of the sources on a monthly basis.  
 b) The permittee shall monitor the temperature of the age furnace, solution furnace, and quench tank on a continuous basis during all hours the sources are utilized.
- # 006 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The permittee shall annually inspect and tune each of the burners for the 2006 heat treat line.

**VII. ADDITIONAL REQUIREMENTS.**

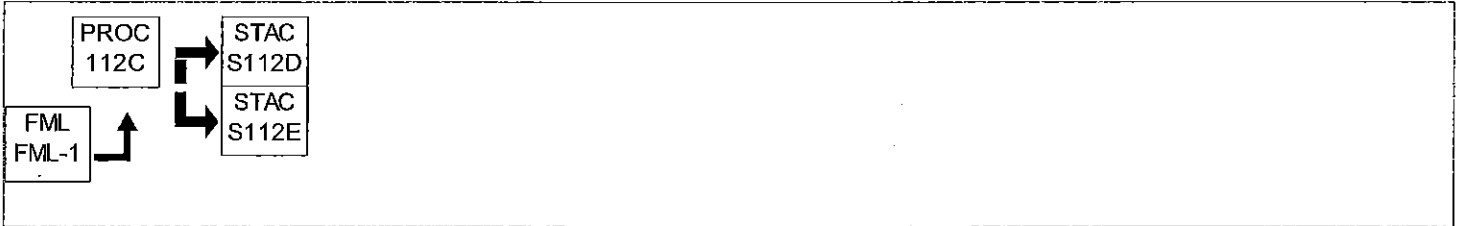
- # 007 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The permittee shall install gas meters to measure the amount of natural gas each source utilizes.
- # 008 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The permittee shall maintain and operate the sources in accordance with the manufacturer's specifications.
- # 009 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 a) The NOx and CO emissions shall be calculated on a monthly basis for the 2006 Heat Treat Line based on the vendors emission factors multiplied by the fuel usage and the hours of operation.  
 b) The particulate, PM-10, SOx, and VOC emissions shall be calculated on a monthly basis for the 2006 Heat Treat Line based on the most recent AP-42 emission factor multiplied by the fuel usage and the hours of operation.

**SECTION D. Source Level Requirements**

Source ID: 112C

Source Name: 2006 (HEAT TREAT) AGE FURNACE

Source Capacity/Throughput: 5,882.000 CF/HR Natural Gas

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

# 001 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The emissions from the 2006 Heat Treat Line shall not exceed the following:

- The NO<sub>x</sub> emissions shall not exceed 1.37 lb/hr and 6.0 TPY (based on a 12-month rolling total).
- The CO emissions shall not exceed 2.07 lb/hr and 9.07 TPY (based on a 12-month rolling total).
- The particulate and PM-10 emissions shall not exceed 0.13 lb/hr and 0.57 TPY (based on a 12-month rolling total).
- The SO<sub>x</sub> emissions shall not exceed 0.01 lb/hr and 0.04 TPY (based on a 12-month rolling total).
- The VOC emissions shall not exceed 0.09 lb/hr and 0.40 TPY (based on a 12-month rolling total).

[Compliance with the requirements specified in the streamlined permit conditions (c and d) assures compliance with the provisions in 25 Pa. Code Sections 123.13 and 123.21, respectively].

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall only use natural gas for fuel for all the burners of the 2006 Heat Treat Line.

**II. TESTING REQUIREMENTS.**

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The Department reserves the right to require emission testing for any of the burners as may be necessary to determine compliance.

**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.**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall keep records of the following for the 2006 Heat Treat Line:

- The natural gas usage based on a 12-month rolling total;

## SECTION D. Source Level Requirements

- b) The maintenance conducted on each of the sources;
- c) Records of the annual tune-ups and adjustments of the burners;
- d) The emissions based on a 12-month rolling total.

## 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.

**# 005 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

- a) The permittee shall monitor the gas usage of each of the sources on a monthly basis.
- b) The permittee shall monitor the temperature of the age furnace, solution furnace, and quench tank on a continuous basis during all hours the sources are utilized.

**# 006 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

The permittee shall annually inspect and tune each of the burners for the 2006 heat treat line.

## VII. ADDITIONAL REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

The permittee shall install gas meters to measure the amount of natural gas each source utilizes.

**# 008 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

The permittee shall maintain and operate the sources in accordance with the manufacturer's specifications.

**# 009 [25 Pa. Code §127.12b]**  
Plan approval terms and conditions.

- a) The NO<sub>x</sub> and CO emissions shall be calculated on a monthly basis for the 2006 Heat Treat Line based on the vendors emission factors multiplied by the fuel usage and the hours of operation.
- b) The particulate, PM-10, SO<sub>x</sub>, and VOC emissions shall be calculated on a monthly basis for the 2006 Heat Treat Line based on the most recent AP-42 emission factor multiplied by the fuel usage and the hours of operation.

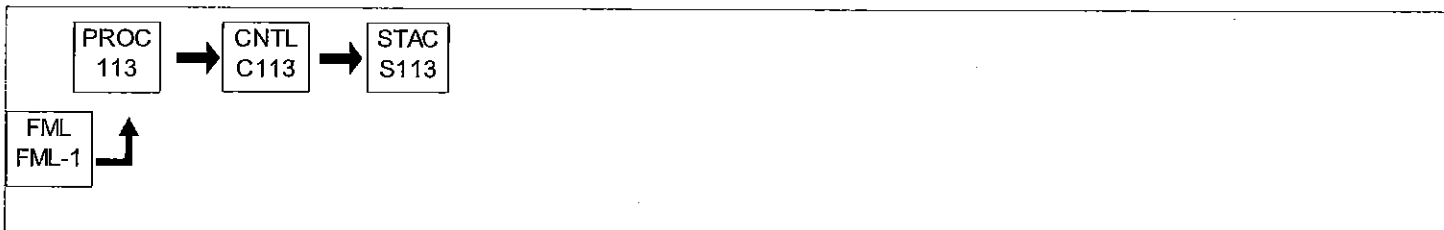


**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: 7000 TON FORGE LINE 5

Source Capacity/Throughput: 4.000 MMBTU/HR



**I. RESTRICTIONS.**

**Emission Restriction(s).**

**# 001 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The emissions of particulate matter from the scrubber shall be limited to 0.02 grains per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

**# 002 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the venturi scrubber is monitored automatically and the alarm indicator light is operational.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 003 [25 Pa. Code §127.12b]**  
**Plan approval terms and conditions.**  
 The company shall record sufficient data so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

- a) The company shall maintain a copy of the manufacturer's specifications for the 7000 ton forging press.
- b) The company shall keep a record of:
  - i. the maintenance that is performed on the 7000 ton forging press or the air pollution control system;
  - ii. the date and time of any malfunction of the 7000 ton forging press or the air pollution control system; and,
  - iii. the duration of the malfunction.
- c) The company shall keep a record of the pressure drop across the venturi scrubber in order to demonstrate compliance with this plan approval.
- d) The company shall keep a record of the flow rate to the venturi scrubber in order to demonstrate compliance with this plan approval.

**SECTION D. Source Level 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 §127.12b]

Plan approval terms and conditions.

- a) The company shall maintain the pressure drop across the venturi scrubber between 30 inches of water and 45 inches of water, gauge.
- b) The company shall maintain the scrubbing liquid flow rate to the venturi scrubber between 200 gallons per minute and 310 gallons per minute.
- c) The company shall install, operate, and maintain the 7000 ton forging press in accordance with the manufacturer's specifications and/or good air pollution control practices.
- d) The company shall install, operate, and maintain the venturi scrubber in accordance with the manufacturer's specifications and/or good air pollution control practices.
- e) The company shall operate the venturi scrubber whenever the 7000 ton forging press is operated.

**VII. ADDITIONAL REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

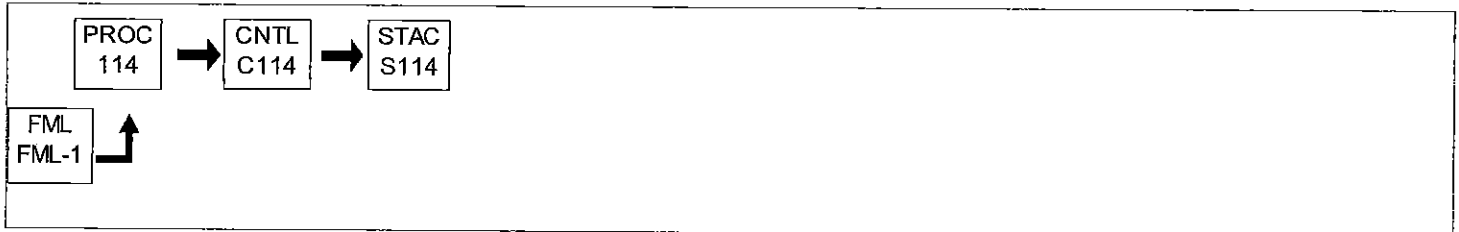
The die preheat furnace shall only combust pipeline quality natural gas.

**SECTION D. Source Level Requirements**

Source ID: 114

Source Name: 7000 TON FORGE LINE 6

Source Capacity/Throughput: 4.000 MMBTU/HR

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

# 001 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The emissions of particulate matter from the scrubber shall be limited to 0.02 grains per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the venturi scrubber is monitored automatically and the alarm indicator light is operational.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The company shall record sufficient data so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

- a) The company shall maintain a copy of the manufacturer's specifications for the 7000 ton forging press.
- b) The company shall keep a record of:
  - i. the maintenance that is performed on the 7000 ton forging press or the air pollution control system;
  - ii. the date and time of any malfunction of the 7000 ton forging press or the air pollution control system; and,
  - iii. the duration of the malfunction.
- c) The company shall keep a record of the pressure drop across the venturi scrubber in order to demonstrate compliance with this plan approval.
- d) The company shall keep a record of the flow rate to the venturi scrubber in order to demonstrate compliance with this plan approval.

**SECTION D. Source Level 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 §127.12b]**

**Plan approval terms and conditions.**

- a) The company shall maintain the pressure drop across the venturi scrubber between 30 inches of water and 45 inches of water, gauge.
- b) The company shall maintain the scrubbing liquid flow rate to the venturi scrubber between 200 gallons per minute and 310 gallons per minute.
- c) The company shall install, operate, and maintain the 7000 ton forging press in accordance with the manufacturer's specifications and/or good air pollution control practices.
- d) The company shall install, operate, and maintain the venturi scrubber in accordance with the manufacturer's specifications and/or good air pollution control practices.
- e) The company shall operate the venturi scrubber whenever the 7000 ton forging press is operated.

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

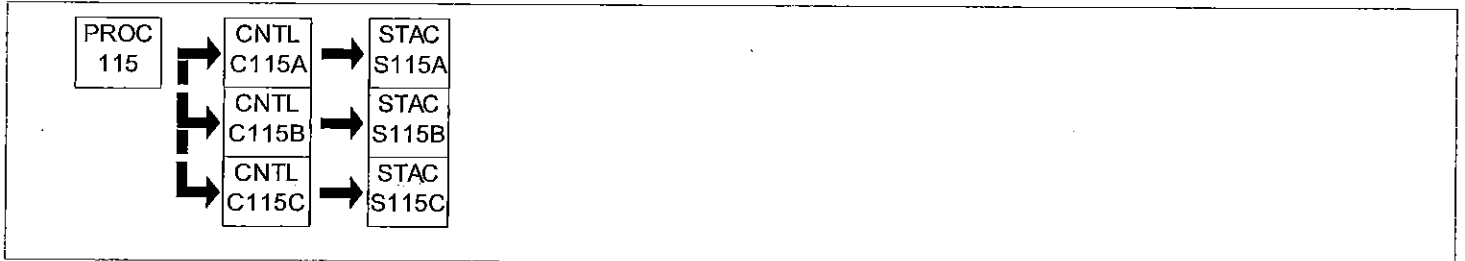
The die preheat furnace shall only combust pipeline quality natural gas.

**SECTION D. Source Level Requirements**

Source ID: 115

Source Name: WHEEL MACHINING LINES 2, 8 &amp; 9

Source Capacity/Throughput: 100,000 Gal/HR

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

**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 a record of all preventive maintenance inspections of the control device. These records shall at a minimum contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, any routine maintenance performed.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

- (a) The permittee shall perform a weekly preventive maintenance inspection of the smog-hog.
- (b) The permittee shall monitor daily the smog hog indicator light to ensure that the control device is working properly.
- (c) The permittee shall operate the smog hog at all times that this is in operation.
- (d) The permittee shall maintain and operate this source and the smog hog in accordance with the manufacturer's specifications.



**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

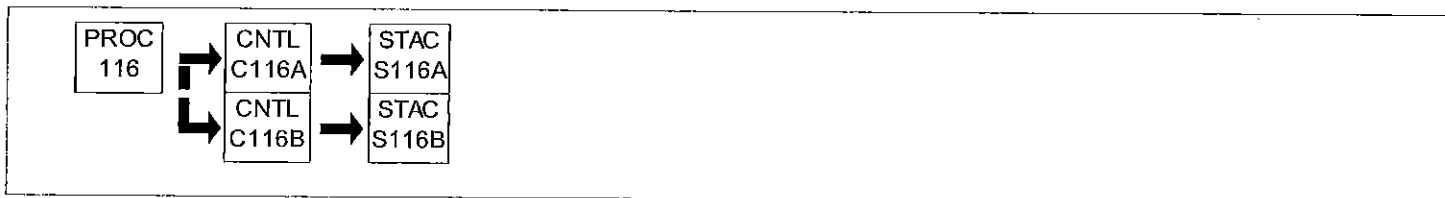
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: POLISHING CELLS (5)

Source Capacity/Throughput: 100.000 Gal/HR

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

**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 a record of all preventive maintenance inspections of the control device. These records shall at a minimum contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, any routine maintenance performed, and the pressure drop across the control device.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

- (a) The permittee shall perform a weekly preventive maintenance inspection of the control device.
- (b) The permittee shall maintain a manometer or similar device to measure the pressure drop across the venturi scrubber.
- (c) The facility shall monitor the flow rate of the gas and liquid in the venturi scrubber.

## SECTION D. Source Level Requirements

(d) The permittee shall operate the venturi scrubber at all times that this is in operation.

(e) The permittee shall maintain and operate this source and the venturi scrubber in accordance with the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

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

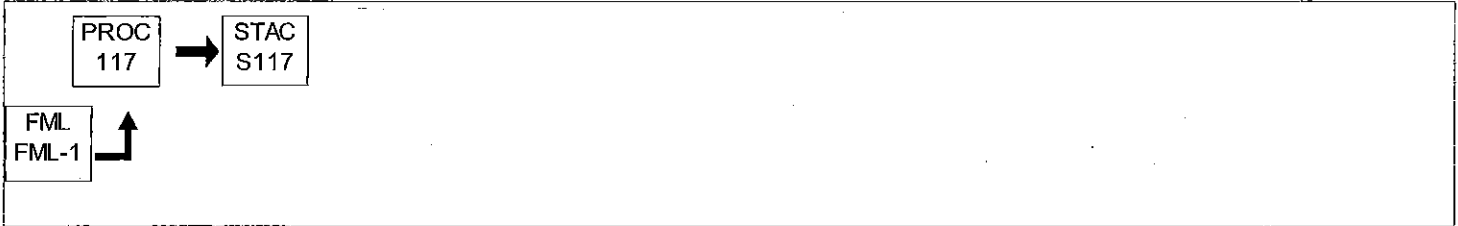


**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: EMERGENCY GENERATOR 150 HP SI, NATURAL GAS

Source Capacity/Throughput: 1,012,000 MCF/HR Natural Gas



**I. RESTRICTIONS.**

**Emission Restriction(s).**

- # 001 [25 Pa. Code §123.13]  
**Processes**  
No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.
- # 002 [25 Pa. Code §127.441]  
**Operating permit terms and conditions.**  
The permittee shall maintain the emission of NOx (Oxides of Nitrogen) less than 100 lbs/hr, 1000 lbs / day, 2.75 tons per ozone season and, 6.6 tons per year on a 12 month rolling basis for the exempt engines in the site.

**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 §127.441]  
**Operating permit terms and conditions.**  
The permittee shall maintain a record of generator usage sufficient to determine the NOx emission per hour, per day, per month, per ozone season and per year based on 12-months rolling total. Present month's emission shall be added with the previous 11 month's emission to get 12 month rolling total.
- # 004 [25 Pa. Code §127.441]  
**Operating permit terms and conditions.**  
The permittee shall maintain a record of all preventive maintenance inspections. These records shall at a minimum contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, any routine maintenance performed.

**V. REPORTING REQUIREMENTS.**

- # 005 [25 Pa. Code §127.441]  
**Operating permit terms and conditions.**  
The permittee shall keep all required records of NOx emission records in the site for five years for reporting as required by the Department.



## SECTION D. Source Level Requirements

## VI. WORK PRACTICE REQUIREMENTS.

## # 006 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall maintain this source in accordance with manufacturer's specification and good air pollution control practices.

## # 007 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall install a non-resettable hour meter in the emergency generator and record the non-emergency running time of the generator based on 12-month rolling total.

## VII. ADDITIONAL REQUIREMENTS.

## # 008 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

(a) §63.6590 (c) (1): (c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

(1) A new or reconstructed stationary RICE located at an area source;

## # 009 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

(a) Emergency stationary internal combustion engine means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary ICE must comply with the requirements specified in § 60.4243(d) in order to be considered emergency stationary ICE. If the engine does not comply with the requirements specified in § 60.4243(d), then it is not considered to be an emergency stationary ICE under this subpart.

(1) The stationary ICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary ICE used to pump water in the case of fire or flood, etc.

(2) The stationary ICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in § 60.4243(d).

(3) The stationary ICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in § 60.4243(d)(2)(ii) or (iii) and § 60.4243(d)(3)(i).

(b) §63.4243 (d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

**SECTION D. Source Level Requirements**

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) Non applicable

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.



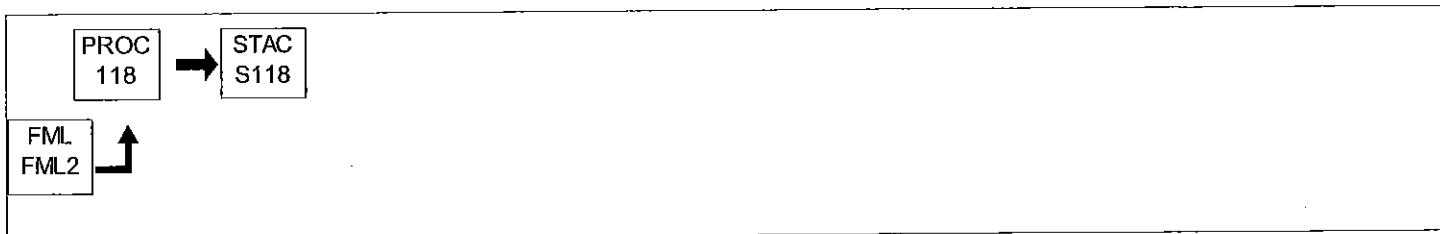
## SECTION D. Source Level Requirements

Source ID: 118

Source Name: EMERGENCY FIRE WATER PUMP, 4CY, DIESEL

Source Capacity/Throughput:

7.300 Gal/HR



## I. RESTRICTIONS.

## Emission Restriction(s).

# 001 [25 Pa. Code §123.13]

## Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

# 002 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall maintain the emission of NOx (Oxides of Nitrogen) less than 100 lbs/hr, 1000 lbs / day, 2.75 tons per ozone season and, 6.6 tons per year on a 12 month rolling basis for the exempt engines in the site.

## II. TESTING REQUIREMENTS.

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

## III. MONITORING REQUIREMENTS.

# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]

## Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

## What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in §60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine, you must install a non-resettable hour meter prior to startup of the engine.

(b) Not applicable.

## IV. RECORDKEEPING REQUIREMENTS.

# 004 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall maintain a record of generator usage sufficient to determine the NOx emission per hour, per day, per month, per ozone season and per year based on 12-months rolling total. Present month's emission shall be added with the previous 11 month's emission to get 12 month rolling total.

## V. REPORTING REQUIREMENTS.

# 005 [25 Pa. Code §127.441]

## Operating permit terms and conditions.

The permittee shall keep all required records of NOx emission records in the site for five years for reporting as required by the Department.



**SECTION D. Source Level Requirements**

**VI. WORK PRACTICE REQUIREMENTS.**

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

The permittee shall maintain this source in accordance with manufacturer's specification and good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
Am I subject to this subpart?**

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) Not applicable.

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

(i) Not applicable.

(ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

(3) Not applicable.

(4) The provisions of §60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

(b) Not applicable.

(c) Not applicable.

(d) - (e): Not applicable.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

(a) - (b): Not applicable.

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

(d) - (f): Not applicable.

Table 4:

Fire pumps of 160 HP manufactured in 2010 were required to meet stricter emission standards as listed in Table 4 of Subpart III. The applicable standard for NMHC + NOx is 4.0 g/kw-hr (3.0 g/hp-hr) and for PM it is 0.30 g/kw-hr (0.22 g/hp-hr).

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission





## SECTION D. Source Level Requirements

standards as required in §§60.4204 and 60.4205 according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

(a) Not applicable.

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

(c) - (e): Not applicable.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) Not applicable.

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) Not applicable.

(e) - (f): Not applicable.

(g) (1): Not applicable.

(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) Not applicable.

**SECTION D. Source Level Requirements**

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) : Not applicable.

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) Not applicable.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§60.1 through 60.19 apply to you.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4219]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**What definitions apply to this subpart?**

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

Certified emissions life means the period during which the engine is designed to properly function in terms of reliability and fuel consumption, without being remanufactured, specified as a number of hours of operation or calendar years, whichever comes first. The values for certified emissions life for stationary CI ICE with a displacement of less than 10 liters per cylinder are given in 40 CFR 1039.101(g). The values for certified emissions life for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder are given in 40 CFR 94.9(a).

Combustion turbine means all equipment, including but not limited to the turbine, the fuel, air, lubrication and exhaust gas systems, control systems (except emissions control equipment), and any ancillary components and sub-components comprising any simple cycle combustion turbine, any regenerative/recuperative cycle combustion turbine, the combustion turbine portion of any cogeneration cycle combustion system, or the combustion turbine portion of any combined cycle steam/electric generating system.

Compression ignition means relating to a type of stationary internal combustion engine that is not a spark ignition engine.

Date of manufacture means one of the following things:

(1) For freshly manufactured engines and modified engines, date of manufacture means the date the engine is originally produced.

(2) For reconstructed engines, date of manufacture means the date the engine was originally produced, except as specified in paragraph (3) of this definition.

(3) Reconstructed engines are assigned a new date of manufacture if the fixed capital cost of the new and refurbished components exceeds 75 percent of the fixed capital cost of a comparable entirely new facility. An engine that is produced from a previously used engine block does not retain the date of manufacture of the engine in which the engine block was previously used if the engine is produced using all new components except for the engine block. In these cases, the date of manufacture is the date of reconstruction or the date the new engine is produced.

Diesel fuel means any liquid obtained from the distillation of petroleum with a boiling point of approximately 150 to 360

**SECTION D. Source Level Requirements**

degrees Celsius. One commonly used form is number 2 distillate oil.

Diesel particulate filter means an emission control technology that reduces PM emissions by trapping the particles in a flow filter substrate and periodically removes the collected particles by either physical action or by oxidizing (burning off) the particles in a process called regeneration.

Emergency stationary internal combustion engine means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary ICE must comply with the requirements specified in §60.4211(f) in order to be considered emergency stationary ICE. If the engine does not comply with the requirements specified in §60.4211(f), then it is not considered to be an emergency stationary ICE under this subpart.

(1) The stationary ICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary ICE used to pump water in the case of fire or flood, etc.

(2) The stationary ICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §60.4211(f).

(3) The stationary ICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in §60.4211(f)(2)(ii) or (iii) and §60.4211(f)(3)(i).

Engine manufacturer means the manufacturer of the engine. See the definition of "manufacturer" in this section.

Fire pump engine means an emergency stationary internal combustion engine certified to NFPA requirements that is used to provide power to pump water for fire suppression or protection.

Freshly manufactured engine means an engine that has not been placed into service. An engine becomes freshly manufactured when it is originally produced.

Installed means the engine is placed and secured at the location where it is intended to be operated.

Manufacturer has the meaning given in section 216(1) of the Act. In general, this term includes any person who manufactures a stationary engine for sale in the United States or otherwise introduces a new stationary engine into commerce in the United States. This includes importers who import stationary engines for sale or resale.

Maximum engine power means maximum engine power as defined in 40 CFR 1039.801.

Model year means the calendar year in which an engine is manufactured (see "date of manufacture"), except as follows:

(1) Model year means the annual new model production period of the engine manufacturer in which an engine is manufactured (see "date of manufacture"), if the annual new model production period is different than the calendar year and includes January 1 of the calendar year for which the model year is named. It may not begin before January 2 of the previous calendar year and it must end by December 31 of the named calendar year.

(2) For an engine that is converted to a stationary engine after being placed into service as a nonroad or other non-stationary engine, model year means the calendar year or new model production period in which the engine was manufactured (see "date of manufacture").

Other internal combustion engine means any internal combustion engine, except combustion turbines, which is not a reciprocating internal combustion engine or rotary internal combustion engine.

Reciprocating internal combustion engine means any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work.

**SECTION D. Source Level Requirements**

Rotary internal combustion engine means any internal combustion engine which uses rotary motion to convert heat energy into mechanical work.

Spark ignition means relating to a gasoline, natural gas, or liquefied petroleum gas fueled engine or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for CI and gaseous fuel (typically natural gas) is used as the primary fuel at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark ignition engines.

Stationary internal combustion engine means any internal combustion engine, except combustion turbines, that converts heat energy into mechanical work and is not mobile. Stationary ICE differ from mobile ICE in that a stationary internal combustion engine is not a nonroad engine as defined at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition), and is not used to propel a motor vehicle, aircraft, or a vehicle used solely for competition. Stationary ICE include reciprocating ICE, rotary ICE, and other ICE, except combustion turbines.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.



## SECTION E. Emission Restriction Summary.

Source Id	Source Description		Emission Limit	Pollutant
106B	1995 (HEAT TREAT 2) QUENCH TANK		4.000 Lbs/MMBTU over a 1-hour period	SOX
102	8000 TON FORGING PRESS (LINE 1)		0.020 gr/DRY FT3	TSP
103	7000 TON FORGING PRESS (LINE 4)		0.010 gr/DRY FT3	TSP
104	2000 (HEAT TREAT 3) HEAT TREATING FURNACES		1.290 Lbs/Hr	CO
	5.600 Tons/Yr	based on 8,760 hours of operation per year.	CO	
	1.770 Lbs/Hr		NOX	
	7.750 Tons/Hr	based on 8,760 hours of operation per year.	NOX	
	0.280 Lbs/Hr		PM10	
	1.230 Tons/Yr	based on 8,760 hours of operation per year.	PM10	
	0.010 Lbs/Hr		SOX	
	0.040 Tons/Yr	based on 8,760 hours of operation per year.	SOX	
	0.130 Lbs/Hr		VOC	
	0.569 Tons/Yr	based on 8,760 hours of operation per year.	VOC	
106A	1995 (HEAT TREAT 2) SOLUTION FURNANCE		500.000 PPMV dry basis	SOX
	0.040 gr/DRY FT3		TSP	
106C	1995 (HEAT TREAT 2) AGE FURNACE		500.000 PPMV dry basis	SOX
	0.040 gr/DRY FT3		TSP	
108	PROCESS HEATING - NATURAL GAS USAGE		4.000 Lbs/MMBTU over a 1-hour period.	SOX
	500.000 PPMV	dry basis	SOX	
	0.040 gr/DRY FT3		TSP	
109	MISCELLANEOUS NATURAL GAS USAGE		4.000 Lbs/MMBTU over a 1-hour period.	SOX
	500.000 PPMV	dry basis	SOX	



## SECTION E Emission Restriction Summary

Source ID	Source Description
0.040	gr/DRY FT3 TSP
110	(9) WHEEL WASHERS (5-6, 5-7, 5-10, 285,585,785,885,985 & ML)
<b>Emission Limit</b>	
500.000 PPMV	drybasis SOX
0.040	gr/DRY FT3 TSP
111	(2) CARBOTTOM FURNACES
<b>Emission Limit</b>	
0.040	gr/DRY FT3 TSP
112A	2006 (HEAT TREAT 4) SOLUTION FURNACE
<b>Emission Limit</b>	
2.070 Lbs/Hr	for sources 112A, 112B, and 112C combined CO
9.070 Tons/Yr	Based on a 12-month rolling total CO
1.370 Lbs/Hr	for sources 112A, 112B, and 112C combined NOX
6.000 Tons/Yr	Based on a 12-month rolling total NOX
0.130 Lbs/Hr	for sources 112A, 112B, and 112C combined PM10
0.570 Tons/Yr	Based on a 12-month rolling total PM10
0.010 Lbs/Hr	for sources 112A, 112B, and 112C combined SOX
0.040 Tons/Yr	Based on a 12-month rolling total SOX
0.130 Lbs/Hr	for sources 112A, 112B, and 112C combined TSP
0.570 Tons/Yr	Based on a 12-month rolling total TSP
0.090 Lbs/Hr	for sources 112A, 112B, and 112C combined VOC
0.400 Tons/Yr	Based on a 12-month rolling total VOC
112B	2006 (HEAT TREAT 4) QUENCH TANK
<b>Emission Limit</b>	
2.070 Lbs/Hr	for sources 112A, 112B, and 112C combined CO
9.070 Tons/Yr	Based on a 12-month rolling total CO
1.370 Lbs/Hr	for sources 112A, 112B, and 112C combined NOX
6.000 Tons/Yr	Based on a 12-month rolling total NOX
0.130 Lbs/Hr	for sources 112A, 112B, and 112C combined PM10
0.570 Tons/Yr	Based on a 12-month rolling total PM10
0.010 Lbs/Hr	for sources 112A, 112B, and 112C combined SOX
0.040 Tons/Yr	Based on a 12-month rolling total SOX
0.130 Lbs/Hr	for sources 112A, 112B, and 112C combined TSP
0.570 Tons/Yr	Based on a 12-month rolling total TSP
0.090 Lbs/Hr	for sources 112A, 112B, and 112C combined VOC
0.400 Tons/Yr	Based on a 12-month rolling total VOC

## SECTION B: Emission Restriction Summary

Source Id	Source Description	
112C	2006 (HEAT TREAT) AGE FURNACE	
Emission Limit		Pollutant
2.070 Lbs/Hr	for sources 112A, 112B, and 112C combined	CO
9.070 Tons/Yr	Based on a 12-month rolling total	CO
1.370 Lbs/Hr	for sources 112A, 112B, and 112C combined	NOX
6.000 Tons/Yr	Based on a 12-month rolling total	NOX
0.130 Lbs/Hr	for sources 112A, 112B, and 112C combined	PM10
0.570 Tons/Yr	Based on a 12-month rolling total	PM10
0.010 Lbs/Hr	for sources 112A, 112B, and 112C combined	SOX
0.040 Tons/Yr	Based on a 12-month rolling total	SOX
0.130 Lbs/Hr	for sources 112A, 112B, and 112C combined	TSP
0.570 Tons/Yr	Based on a 12-month rolling total	TSP
0.090 Lbs/Hr	for sources 112A, 112B, and 112C combined	VOC
0.400 Tons/Yr	Based on a 12-month rolling total	VOC
113	7000 TON FORGE LINE 5	
Emission Limit		Pollutant
0.020 gr/DRY FT3		TSP
114	7000 TON FORGE LINE 6	
Emission Limit		Pollutant
0.020 gr/DRY FT3		TSP
115	WHEEL MACHINING LINES 2, 8 & 9	
Emission Limit		Pollutant
0.040 gr/DRY FT3		TSP
116	POLISHING CELLS (5)	
Emission Limit		Pollutant
0.040 gr/DRY FT3		TSP
117	EMERGENCY GENERATOR 150 HP SI, NATURAL GAS	
Emission Limit		Pollutant
2.750 Tons/OZNESEAS		NOX
6.600 Tons/Yr	based on 12-month rolling total.	NOX
100.000 Lbs/Hr		NOX
1,000.000 Lbs/Day		NOX
0.040 gr/DRY FT3		TSP
118	EMERGENCY FIRE WATER PUMP, 4CY, DIESEL	
Emission Limit		Pollutant
2.750 Tons/OZNESEAS		NOX
6.600 Tons/Yr	based on 12-month rolling total.	NOX
100.000 Lbs/Hr		NOX
1,000.000 Lbs/Day		NOX





**SECTION 6 Emission Restriction Summary**

Source: [faded]      Sample Date: [faded]

0.040 gr/DRY FT <sup>3</sup>	TSP
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**Site Emission Restriction Summary**

Emission Limit		Pollutant
95,000 Tons/Yr	Based on 12 months rolling total	CO



## SECTION G. Miscellaneous.

(a) The Sources 101, 102, and 103 are equipped with one venturi scrubber to control emissions from each forging press.

(b) The Source 108, Process Heating - Natural Gas Usage, is comprised of the following equipment used for the production process. The company's identification numbers are included in parentheses.

- (1) Annealing Oven (4-1)
- (2) Stress Relief Furnace (4-2)
- (3) Large Die Heater (22-20), Bldg #22
- (4) Small Die Heater (22-21), Bldg #22
- (5) 5000/8000 Venturi Scrubbers Duct Wash Heater (12-1)
- (6) Preheat Furnace #1 (22-1)
- (7) Preheat Furnace #2 (22-2)
- (8) Preheat Furnace #5 (22-5)
- (9) 8000 Ton Press Die Ring Burner (22-10)
- (10) 8000 Ton Press Die Torch (22-11)
- (11) 7000 Ton Press Die Ring Burner (22-18)
- (12) 7000 Ton Press Die Torch (22-19)

(i) The following natural gas-fired units (of source 108) have stack emissions subject to the particulate matter and the sulfur oxide emission restrictions for process units of 25 Pa. Code §123.13 and 25 Pa. Code §123.21, respectively.

- (a) Pre-heat Furnace #1 (22-1)
- (b) Pre-heat Furnace #2 (22-2)

(ii) The following natural gas-fired units (of source 108) have stack emissions subject to the sulfur oxide emission restriction for combustion units of 25 Pa. Code §123.22:

- (1) 5000/8000 Venturi Scrubbers Duct Wash Heater (12-1)

(c) The Source 109, Miscellaneous Natural Gas Usage, is comprised of all natural gas-fired equipment not used for the production process. The source consists of numerous space heating units, infrared heaters, air makeup heaters, emergency generators, and hot water heaters located throughout the plant. All of the units are less than 10 MMBtu/hr.

(i) Process units (such as emergency generators) included in this source having stack emissions are subject to the particulate matter and the sulfur oxide emission restrictions 25 Pa. Code §123.13 and 25 Pa. Code §123.21, respectively for process units.

(ii) Combustion units (such as hot water heaters) included in this source having stack emissions are subject to the sulfur oxide emission restriction for combustion units of 25 Pa. Code §123.22.

(d) There are no emission limitations, recordkeeping, reporting, monitoring, testing, work practice standard, or other requirements for the following on-site activities/sources.

- (1) Die Shop Weld Booth
- (2) Aluminum Billet Saw
- (3) Band saw
- (4) (3) Each Wheel Machining Lines - consists of a CNC machine, a prestress machine, and a handhole machine equipped with one smog hog that vents indoor.
- (5) (5) Each Wheel Spinners equipped with smog hog that vents indoor.
- (6) Building 22 Fugitive Emissions (22-12)
- (7) (3) Trim Presses
- (8) Wheel Cooler
- (9) Inter-source Chip Processor
- (10) Miscellaneous Machining Equipment - consists of planers, lathes, metal saws, grinders, and drill presses.
- (11) Hoffman Sandblast Unit
- (12) Quality Department Lathe
- (13) Ventilation Fans
- (14) Plant Maintenance
- (15) Battery Chargers

**SECTION G. Miscellaneous.**

- (16) Waste Oil/Coolant Tank (wastewater)
- (17) Steam Cleaning Units
- (18) Mega Line Wheel Machining Sources with oil mist filters that vents indoors.
- (19) Rosler Polishing Cell (Machine Line 5)

(e) The capacities listed on page 4 and in Section D of this permit are typical operational capacities and are included for informational purposes. The listed capacities are not to be construed as enforceable limits or maximum capacities. All enforceable limits which apply to any source included in this permit are included in the conditions of this permit.

(f) The actual enforceable emission restrictions for each source, with the correct number of significant digits, are listed in Section D of this permit. The emission restriction summary, Section F, of this permit is for informational purposes only and is not to be used to establish enforceable limits.

(g) The 2006 heat treat line consists of the solution furnace, the quench tank, and the age furnace.

(h) The solution furnace has (1) 7.0 MMBTU/hr burner and (1) 3.0 MMBTU/hr burner.

(i) The quench tank has (1) 1.0 MMBTU/hr burner.

(j) The age furnace has (3) 2.0 MMBTU/hr burners.

(k) The tax ID of the corporation in Indiana is 76-0534862-1.

(l) This permit was administratively amended on 03/20/2008 to incorporate the conditions of plan approval # 25-066F.

(m) This permit was reissued on March 23, 2009.

(n) This permit was administratively amended on November 28, 2011 to incorporate the requirements of plan approval 25-066I pertaining to sources 113 and 114. The permit contact was changed to Kevin Maleski - HR/Safety/Env. Mgr. and the responsible official was changed to Mr. Steve Kuhn- Director of Operations.

(o) The name of permit contact has been changed to Mr. Matt Brady at the time of renewal the permit on April 1, 2014.

(p) The permit renewed on April 1, 2014.



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

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COMMONWEALTH OF PENNSYLVANIA

Department of Environmental Protection

April 1, 2014

Phone: 814/332-6940

Fax: 814/332-6117

**SUBJECT:** Memorandum of Review  
Renewal Synthetic Minor Permit – Accuride Erie L.P.- Erie Forge  
Plant, City of Erie, Erie County

**TO:** File: AQ/Facilities/FAC OP/ SM – 25-00066  
APS ID: 763785, Auth. ID: 991608  
Master Auth. ID: 900606, PF ID # 510626

**FROM:** Kallol Bhattacharyya *KB*  
Permit Writer  
Air Quality Program  
Northwest Regional Office

**THROUGH:** Matthew M. Williams *MW*  
Facilities Permitting Chief  
Air Quality Program  
Northwest Regional Office

John F. Guth *JFG*  
Program Manager  
Air Quality Program  
Northwest Regional Office

**Introduction and, permit history:**

This permit was issued on March 16, 2004 with an expiration date February 28, 2009. The permit was amended on March 2008 to incorporate the conditions of plan approval #25-066F. The permit was renewed on March 23, 2009 with an expiration date February 28, 2014. The permit was amended on November 28, 2011 to incorporate the requirements of plan approval 25-066I pertaining to sources #113 and, #114 and, to change the name of permit contact and responsible official. This is the renewal memorandum of the synthetic minor permit application received on August 28, 2013. Accuride Erie L.P. manufactures raw forgings of aluminum truck wheels at this location. The facility is located in the City of Erie, Erie County. The street address of the plant is 1015 East 12<sup>th</sup> Street, Erie, PA 16503.

***SIC Code: 3463: Manufacturing – Nonferrous Forgings.***

**History of the Corporation as stated in [www.accuridecorp.com](http://www.accuridecorp.com):**

“Accuride Corporation (NYSE: ACW), headquartered in Evansville, Indiana, USA, is a leading manufacturer and supplier of wheels, wheel-end components and other products to the North American commercial vehicle industry.

Our products include steel and aluminum commercial vehicle wheels, wheel-end components and assemblies, truck body and chassis parts, and gray, ductile and austempered ductile iron castings; and are marketed under some of the most recognized business and brand names in the industry: Accuride Wheel End Solutions (Accuride Wheels and Gunite), and Brillion Iron Works.

The Erie facility consists of 412,000 square feet and is located on 25 acres in Erie, Pennsylvania. The modernized aluminum wheel forging, machining, polishing facility is complete with new automated material processing equipment plant wide. This modernization has resulted in significant production increases and improved quality and cost.”

### **The permit status:**

This permit is synthetic minor because the facility has taken a restriction on emission of carbon monoxide (CO) not greater than 95 Tons per year.

### **The updated sources:**

Source ID # 102: 8000 ton forging press (22-13)  
Source ID # 103: 7000 ton forging press (22-17)  
Source ID # 104: 2000 heat treating furnaces (9-1, 9-2, & 10-1)  
Source ID # 106A: 1995 solution furnace (26-4)  
Source ID # 106B: 1995 quench tank (26-5)  
Source ID #106C: 1995 age furnace (26-6)  
Source ID # 107: (2) cold cleaning machines (4-4 & 22-7)  
Source ID # 108: Process heating – natural gas usage  
Source ID # 109: Miscellaneous natural gas usage  
Source ID# 110: (9) Wheel Washers (5-6, 5-7, 5-10, 285, 585, 785, 885, 985, and, ML)  
Source ID# 111: (2) Carbottom furnaces (22-22 &22-23) (Bldg. 22)  
Source ID # 112A: 2006 solution furnace  
Source ID # 112B: 2006 Quench tank  
Source ID #112C: 2006 Age Furnace  
Source ID # 113: 7000 Ton forge line 5  
Source ID # 114: 7000 ton forge line 6  
Source ID # 115: Wheel machining lines 2, 8 & 9  
Source ID # 116: polishing cells (5)  
Source ID# 117: Emergency Generator  
Source 118: Emergency fire water pump.

**Non-Applicability of 40 CFR Part 63, Subparts GGGGGG(6G), TTTTTT(6T) and, ZZZZZZ (6Z).**

- 40 CFR Part 63, Subpart 6G is not applicable to this facility because the facility is not operating primary zinc or beryllium production plant as stated in §63.11160 (a).

**40 CFR 63.11160(a):**

You are subject to this subpart if you own or operate a primary zinc production facility or primary beryllium production facility that is an area source of hazardous air pollutant (HAP) emissions.

- 40 CFR Part 63, Subpart 6T is not applicable to this facility because the facility is not operating secondary zinc processing plant as stated in §63.11463 (b).

**40 CFR 63.11463(b):**

The affected source includes all crushing and screening operations at a secondary zinc processing facility and all furnace melting operations located at any secondary nonferrous metals processing facilities.

- 40 CFR Part 63, Subpart 6Z is not applicable to this facility because, the facility is not operating an aluminum or copper foundry uses material contains HAP as stated in §63.11544(a) (1), (2).

**40 CFR 63.11544 (a) (1):**

Your aluminum foundry uses material containing aluminum foundry HAP, as defined in §63.11556, “What definitions apply to this subpart?”; or

**40 CFR 63.11544(a) (2):**

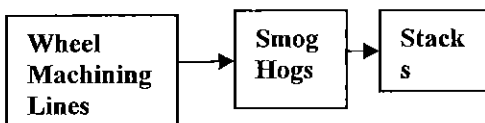
Your copper foundry uses material containing copper foundry HAP, as defined in §63.11556, “What definitions apply to this subpart?”; or

**New sources added:**

**Source ID # 115:** consists of Wheel Machining Lines 2, 8 &9. This source was exempted from plan approval as stated in RFD # 2780, signed on 04/27/2012. Each wheel machining line has two smog hog mist collectors with a stack located outside the facility. Previously the mist collector was attached with a secondary fabric filter and HEPA filter that exhausted inside the facility. The facility removed the secondary fabric filter and

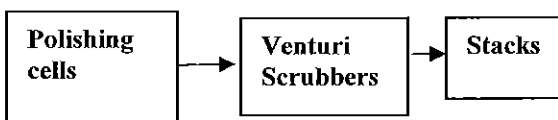
attached the ductwork directly to the mist collector (smog hog) that exhausts to the outdoor stack. There are a total of six mist collectors connected for the three lines. This source is an emitting source because the source has control devices which exhaust outside the facility. The emission of particulate matter is restricted by 25 Pa. Code §123.13. The work practice standard and recordkeeping requirements for the mist collector have been described under 25 Pa. Code §127.441.

***Flow diagram:***



***Source ID # 116:*** consists of (5) Polishing Cells: This source was exempted under RFD # 819, signed on 04/16/2009. Accuride Erie LP, transferred five wheel sanding and, polishing lines controlled by a venturi scrubber and, 2 stage wash tanks with two burners (0.8 and 1.35 MMBTU/Hr. respectively) from Accuride Corporation’s Cuyahoga Falls, OH plant. This is an emitting source because the source has a control device and exhausts outside the facility. The emission of particulate matter is restricted by 25 Pa. Code §123.13. The work practice standard and recordkeeping requirements for the mist collector have been described under 25 Pa. Code §127.441.

***Flow diagram:***



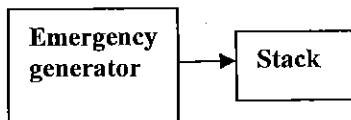
***Source ID #117:*** consists of an emergency generator. The generator was manufactured by Kohler, model #80 RZG, 150 HP spark ignition natural gas generator. The generator was installed in December 2008. The applicability of the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (SI ICE) is found in §60.4230. More specifically, paragraph(a)(4)(iv) addresses engines constructed after June 12, 2006 where the stationary SI ICE are manufactured on or after January 1, 2009 for emergency engines with a maximum engine power greater than 25 hp. The engine was manufactured on December 2008. Thus, the emergency generator is not subject to 40 CFR Part 60 Subpart JJJJ.

The engine is potentially subject to 40 CFR Part 63, Subpart ZZZZ. The description of §63.6590 (a)(2)(iii): A stationary RICE located at an area source of HAP emissions, a stationary RICE is new if you commenced construction or reconstruction of the stationary



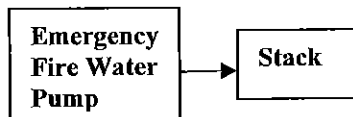
RICE on or after June 12, 2006. The engine was manufactured on December 2008 and is considered “new”. However, pursuant to §63.6590(c), a new stationary RICE located at an area source must meet the requirements of this Part by meeting the requirements of 40 CFR Part 60 Subpart JJJJ for spark ignition engines. No further requirements apply for such engines under this part. The Department has included a few conditions under §127.441 such as to install a non-resettable hour-meter on the emergency engine and to keep a record of non-emergency usage-time. This ensures that the engine meets the definition of “Emergency SI ICE”. The generator is exempt from plan approval as per §127.14 (a) (8) list # 6, “internal combustion engines regardless of size, with combined NOx emissions less than 100 lb./hr., 1000 lbs./day, 2.75 tons per ozone season and 6.6 tons per year on a 12 month rolling basis for all exempt engines at the site”. The restriction of NOx emission and recordkeeping requirement for the NOx emissions has been included in the source level under §127.441.

***Flow diagram:***



***Source ID #118:*** consists of an emergency fire water pump. The unit was manufactured by Cummins, model # CFP5E-F-30, 4 cylinder diesel CI, 160 HP engine. This source is subject to 40 CFR Part 63, Subpart IIII. All applicable conditions of Subpart IIII have been included in the source level as noted later in this memo. The generator is exempt from plan approval as per §127.14 (a) (8) list # 6, “internal combustion engines regardless of size, with combined NOx emissions less than 100 lb/hr., 1000 lbs./day, 2.75 tons per ozone season and 6.6 tons per year on a 12 month rolling basis for all exempt engines at the site”. The restriction of NOx emission and recordkeeping requirement for the NOx emissions has been included in the source level under §127.441. The emission of particulate matter is restricted by 25 Pa. Code §123.13 to 0.04 grain per dry standard cubic feet when effluent gas volume is less than 150,000 standard cubic feet per minute.

***Flow diagram:***



***Applicable Conditions of 40 CFR Part 60 Subpart IIII:***

§60.4200 (a)(2) (ii), (a)(4), (c): This section explains that the emergency engine is subject to Subpart III because, the emergency fire water engine was manufactured as certified National Fire Protection Association (NFPA) fire pump after July 1 2006.

§60.4205 (c): This condition explains that because the engine has a fuel displacement less than 30 liters per cylinder the owner or operator must follow the emission standards as stated in Table 4.

§60.4206: This condition stated that the facility shall maintain the emission standards as stated in Table 4 over the entire life of the engine.

§60.4207 (b): This condition explains that the emergency engine with fuel displacement less than 30 liters per cylinder must use diesel fuel that meets the standard of 40 CFR 80.510 (b) for non-road diesel fuel.

§60.4209 (a): This condition requires the owner or operator to install a non-resettable hour meter prior to start- up of the emergency engine.

§60.4211 (a) (1), (2), (3), (c), and,(g), (2): This condition explains the compliance requirements for owner and operator of a CI ICE regarding operation and maintenance of the engine. The engine must be a certified engine, installed and configured according to the manufacturer's emission-related specifications except in paragraph (g). Paragraph (g)(2) indicates that if the engine is not installed, configured, operated , and maintained according to the manufacturer's emission-related written instructions, or you change settings in a way that is not permitted by the manufacturer, you must demonstrate compliance by keeping a maintenance plan and records of conducted maintenance and you must maintain the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, an initial performance test to demonstrate compliance with the applicable emission standards would be required.

§60.4214 (b): This condition explains the initial notification is not required, and that recordkeeping requirements starting with the model year in Table 5 must keep records of the hours of operation with a non-resettable hour meter and the reason the engine is operated.

§60.4218: This condition explain the general provisions that apply to this source as stated in Table 8.

§60.4219: This condition explains the definitions used in Subpart III.

### **Change of a condition:**

Mrs. Melissa Baggam informed the reviewer that Accuride Corporation would like to change the condition #006, of Source ID # 112A: 2006 solution furnace, Source ID # 112B: 2006 quench tank and, Source ID # 112C: 2006 Age furnace. The present condition #006, states that, "The permittee shall conduct a monthly inspection of each of the burners for the 2006 heat treat line and, tune the burners on an annual basis". The reason behind the change of condition #006, states that the monthly inspection of burners needs, the shut-down of all the furnaces and the shut-down of furnaces are very expensive.

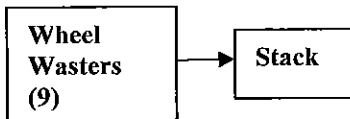
Mr. Robert E. Gandley, consultant for Accuride, suggested to change condition #006, through an e-mail dated January 28, 2014, to, "The permittee shall annually inspect and tune each of the burners for the 2006 heat treat line".

The condition has been changed as requested above.

### **Addition of seven wheel washers in existing Source #110:**

**Source ID # 110:** consists of nine wheel washers (5-6, 5-7, and 5-10, 285, 585, 785, 885, 985 & ML). Previously the source had two wheel washers. The facility has transferred and added seven wheel washers from Accuride Corporation's Cuyahoga Falls, OH plant, this authorization was covered by RFD # 700, dated 01/22/2009. This addition was exempted from plan approval because the heat input of each of the units is less than 10 MMBTU/Hr. and source uses natural gas as a fuel. The same previous conditions in the permit have covered the additional units.

### **Flow diagram:**



### **Answers of the comments:**

On March 10, 2014 the Department has received the comments on renewal permit from Mr. Robert E. Gandley, consultant of Accuride. The answers of the comments are stated hereunder.

**Comment #1:** As an initial matter, it would be helpful if a number of the Source Names on Pages 4-5 were revised to list the designations commonly used at the facility as opposed to building/equipment numbers that had been listed in the original permit application. The proposed designations are as follows:

<u>Source ID</u>	<u>Source Name</u>
102	8000 Ton Forging Press (Line 1)
103	7000 Ton Forging Press (Line 4)
104	2000 (Heat Treat 3) Heat Treating Furnaces
106A	1995 (Heat Treat 2) Solution Furnace
106B	1995 (Heat Treat 2) Quench Tank
106C	1995 (Heat Treat 2) Age Furnace
111	(2) Carbottom Furnaces

112A	2006 (Heat Treat 4) Solution Furnace
112B	2006 (Heat Treat 4) Quench Tank
112C	2006 (Heat Treat 4) Age Furnace

**Department's answer:** The Department has revised the source names as stated above.

**Comment #2:** As discussed during the meeting in February, the Source Name for Source S110 should be redefined to be consistent with the updated source in the permit. Also, the Permit Maps for Sources 117 and 118 should be revised to include their fuel sources which are natural gas and diesel, respectively. Also, the Miscellaneous Sources listings for the (5) Wheel Spinners on Page 66 should note that each is equipped with a Smog Hog that vents indoors, There is also one Smog Hog each on Machining Lines 6, 7 and 10, which are the three machine lines listed in the Miscellaneous Sources as Item (d)(4) on p. 66. On Page 67, the list of sources in Item (d) should have the following added:

(18) MegaLine Wheel Machining Sources with oil mist filters that vent indoors.

(19) Rosler Polishing Cell (Machine Line 5)

Item (n) should be revised to list Matt Brady as the responsible official.

**Department's answer:** The Department has revised the name of Stack number S110 to (9) Wheel washers stack. The FML was added to the MAP for Source IDs #117 and #118. In the miscellaneous section, page #66 (d), (4) and (5) have been revised based on the comment. In the revision, the smog hog system has been added with these sources and the Smog Hogs are exhausting inside the facility. On page #67 the above list of insignificant sources (18) and, (19) have been added because they exhaust inside the facility and have no additional requirements. After further discussion with the applicant's consultant, it is understood that Mr. Brady is the permit contact not the responsible official. The permit was revised to indicate Mr. Brady is the permit contact.

**Comment #3:** For Source ID 102, 8000 Ton Forging Press (Line 1), Accuride requests that Condition #003 be revised to read:

Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the venturi scrubber is monitored automatically and the alarm indicator light is operational.

**Department's answer:** The Department has revised the Condition #003 of Source ID #102, page #21, as requested above. The facility has indicated in an email dated March 12, 2014 that the reason for the request is that the EHS person typically takes all readings

for consistency and he would not be there consistently on the weekends. It is difficult to get continuous compliance from various other plant operators (there is not a dedicated weekend shift or weekend EHS person). Therefore the Department accepts the use of the automatic monitoring and the alarm indicator light as reasonable assurance of compliance with the monitoring requirement (pressure drop and flow) which supports compliance with the emission limits for the source.

**Comment #4:** For Source ID 103, 7000 Ton Forging Press (Line 4), Accuride requests that Condition #002 revised to read:

Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the venturi scrubber is monitored automatically and the alarm indicator light is operational.

***Department's answer:*** The Department has revised the Condition #002 of Source ID #103, page #23, as requested above. (See Response to Comment #3).

**Comment #5:** For Source IDs 112A, 112B and 112C, the 2006 (Heat Treat 4) Solution Furnace, Quench Tank, and Age Furnace respectively, Accuride requests that Condition #004(b) be removed for each source. As noted in requirement #005 for each source, the temperature of the age furnace, the solution furnace and the quench tank are monitored on a continuous basis. The temperatures of the 2006 heat treat sources are quickly corrected if they vary significantly as tight tolerances are required to ensure the correct metallurgical properties in the wheels.

***Department's answer:*** The Department has removed the condition #004 (b) of Source 112A, 112B and, 112C because, the temperature of the age furnace, the solution furnace and the quench tank are monitored on a continuous basis. The temperatures of the 2006 heat treat sources are quickly corrected if they vary significantly as tight tolerances are required to ensure the correct metallurgical properties in the wheels.

**Comment #6:** For Source ID 113, 7000 Ton Forge Line 5, Accuride requests that Condition #002(a) and (b) be replaced with the following:

Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the

venturi scrubber is monitored automatically and the alarm indicator light is operational.

***Department's answer:*** The Department has revised the Condition #002(a) and (b) of Source ID #113, page #44, as requested above. (See Response to Comment #3).

***Comment #7:*** For Source ID 114, 7000 Ton Forge Line 6, Accuride requests that Condition #002(a) and (b) be replaced with the following:

Each normal weekday (Monday through Friday) that the source is operated, the facility shall record the venturi scrubber pressure drop and the recirculating water flow to the scrubber. For any weekend or holiday operations, the facility shall ensure that the pressure drop and flow for the venturi scrubber is monitored automatically and the alarm indicator light is operational.

***Department's answer:*** The Department has revised the Condition #002(a) and (b) of Source ID #114, page #46, as requested above. (See Response to Comment #3).

***Comment #8:*** For Source ID 115, Wheel Machining Lines 2, 8 and 9, Accuride requests that Condition #002, the recordkeeping requirement, be revised to remove the requirement to record the pressure drop across the control device. The Smog Hog filters on these sources are automatically serviced on a weekly basis and they are equipped with an indicator light to ensure proper operation, thus pressure drop records are not needed.

***Department's answer:*** The Department has revised the Condition #002 of Source ID #115, page #48, as requested above and because this condition is more typically used with electro static precipitators (ESPs) that are much larger and would not have the same maintenance frequency as the smog hog for this source

***Comment #9:*** For Source ID 117, Emergency Generator 150 HP SI, Natural Gas, Accuride requests that Condition #004 be revised to read:

The permittee shall maintain a record of generator usage sufficient to determine the NOx emission per hour, per day, per month, per ozone season and per year based on 12-months rolling total. Present month's emission shall be added with the previous 11 month's emission to get 12 month rolling total.

***Department's answer:*** The Department has revised the Condition #004 of Source ID #117, page #52, as requested above because the facility can reasonably demonstrate they will not exceed the emission rate associated with the RFD exemption based on the hours of operation that were provided with that RFD.

**Comment #10:** For Source ID 117, Emergency Generator 150 HP SI, Natural Gas, Accuride requests that Condition #005 be revised to read:

The permittee shall keep all required NOx emission records in the site for five years for reporting as required by the Department.

**Department's answer:** The Department has revised the Condition #005 of Source ID #117, page #52, as requested above.

**Comment #11:** For Source ID 118, Emergency Fire Water Pump, 4CY, Diesel, Accuride requests that Condition #005 be revised to read:

The permittee shall maintain a record of fire pump usage sufficient to determine the NOx emission per hour, per day, per month, per ozone season and per year based on 12-months rolling total. Present month's emission shall be added with the previous 11 month's emission to get 12 month rolling total.

**Department's answer:** The Department has revised the Condition #005 of Source ID #118, page #55, as requested above. (See Response to Comment #9).

**Comment #12:** For Source ID 118, Emergency Fire Water Pump, 4CY, Diesel, Accuride requests that Condition #006 be revised to read:

The permittee shall keep all required NOx emission records in the site for five years for reporting as required by the Department.

**Department's answer:** The Department has revised the Condition #006 of Source ID #118, page #56, as requested above.

**Additional change of conditions:**

- (1) The recordkeeping requirement of Source ID # 117 has been changed to "The permittee shall maintain a record of all preventive maintenance inspections. There records shall at a minimum contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, any routine maintenance performed." There is no control device in the source. Therefore, the condition has been revised to remove the reference to "control device".
- (2) The preventive maintenance requirement under the recordkeeping requirement has been removed from Source ID #118 because Subpart III covers the maintenance requirement and there is no control device on this source.

**Prohibition of air pollution.**

25 Pa Code §121.7 prohibition of air pollution condition has been added to the work practice standard requirements of the permit.

**Compliance Issues:**

The facility was inspected (Full Compliance Evaluation (FCE)) on September 18, 2009, March 8, 2011, March 8, 2012 and, April 3, 2013, no violations were noted from any of these inspections.

**Emission statement:**

The best controlled emission statement from the Department's AIMS inventory which was based on the information submitted by the facility for 2012 is as follows:

CO, Carbon Monoxide: 24.5 Tons per year  
NOx, Oxides of Nitrogen: 9.65 TPY  
PM-10, Particulate matter less than 10 micron: 9.80 TPY  
PM-2.5, Particulate matter less than 2.5 micron: 9.8 TPY  
SOx, Oxides of Sulfur: 2.13 TPY  
VOC, Volatile organic compound: 5.79 TPY  
Methane: 0.10 TPY  
N2O, Nitrous Oxide: 0.10 TPY  
CO2, Carbon Di Oxide: 9,888.40 TPY

- *All other source and site level conditions are the same as contained in the previous permit and memorandum with Auth. ID # 900606*

***After conducting a source survey and permit renewal inspection with Mrs. Melissa Baggam on February 24, 2014, I recommend the renewal of this permit.***