



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: January 4, 2016
Expiration Date: January 31, 2021

Effective Date: February 1, 2016

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: 06-05153

Synthetic Minor

Federal Tax Id - Plant Code: 20-4618813-1

Owner Information

Name: EVERGREEN COMMUNITY POWER LLC
Mailing Address: 720 LAUREL ST
READING, PA 19602

Plant Information

Plant: EVERGREEN COMMUNITY POWER/UNITED CORRSTACK
Location: 06 Berks County 06001 Reading City
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: CHADY ZABLIT
Title: GEN MGR
Phone: (610) 374 - 3000 Ext.3222

Permit Contact Person

Name: CHADY ZABLIT
Title: GEN MGR
Phone: (610) 374 - 3000 Ext.3222

[Signature] _____
WILLIAMR. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER

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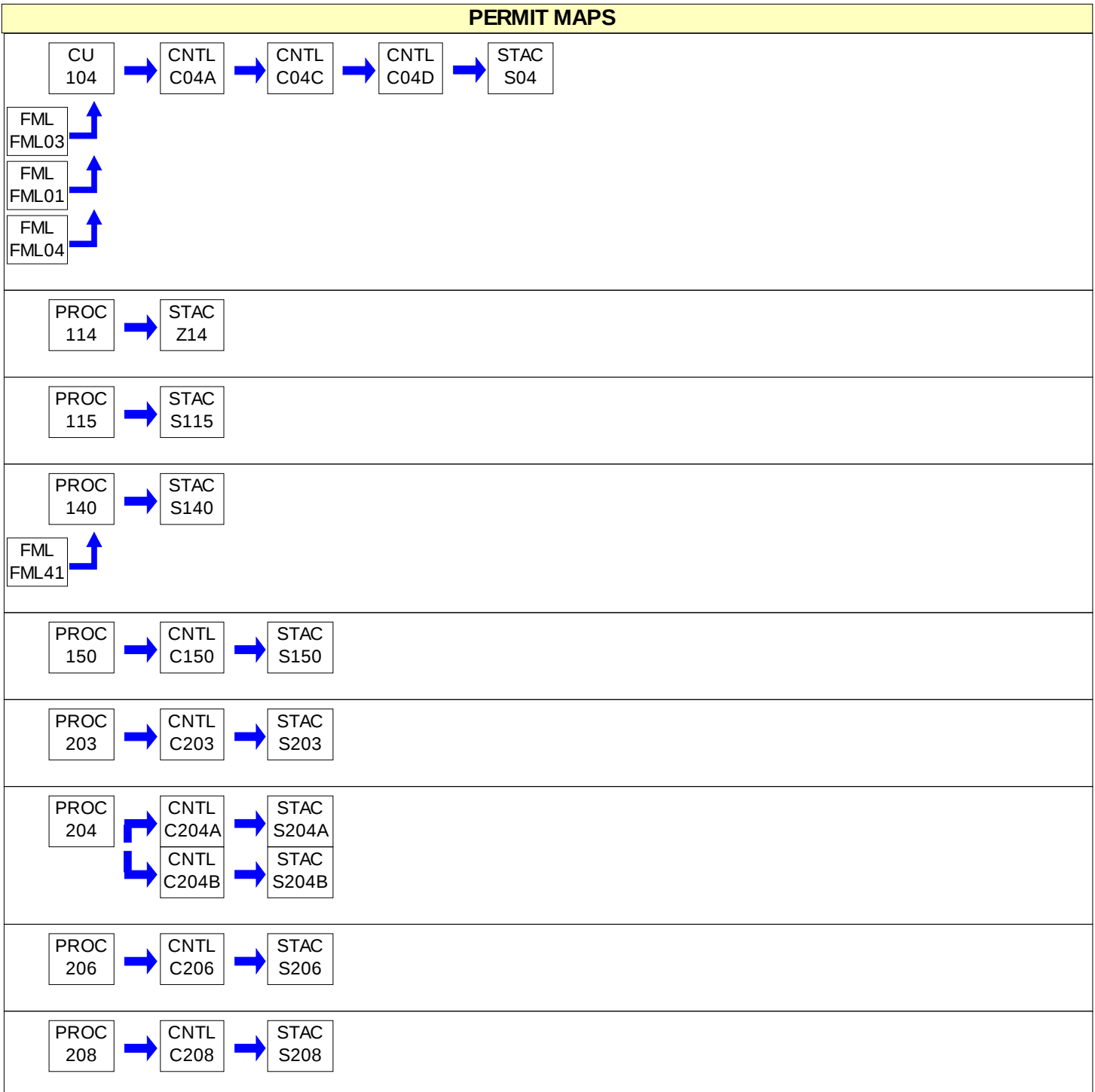
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SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
104	AUSTRIAN ENERGY & ENV BOILER (2009)	482.000 MMBTU/HR	
		235.240 MCF/HR	Natural Gas
		56.050 Tons/HR	BIOMASS
		48.200 Tons/HR	BIO-BASED ALT FUEL
114	COOLING TOWER		
115	TWO (2) 571 GAL/MIN COOLING TOWERS		
140	2561 HP EMERGENCY GENERATOR ENGINE (2007)	47.200 Gal/HR	Diesel Fuel
150	TRUCK UNLOADING STATION		
203	ASH SILO		
204	EAGLE FLY ASH SYSTEM		
206	TRONA SILO		
208	FLY ASH CONVEYING		
209	FUEL SILO		
307	PARTS WASHER		
C04A	TRONA INJECTION		
C04B	LIMESTONE INJECTION		
C04C	HOT ESP		
C04D	SCR		
C150	TRUCK UNLOADING DUST COLLECTOR		
C203	ASH SILO BIN VENT FILTER		
C204A	EAGLE FLY ASH SILO SEPARATOR		
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C206	TRONA SILO BIN VENT FILTER		
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FML01	NATURAL GAS PIPELINE		
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FML04	CLEAN BIOMASS		
FML41	EMERGENCY GENERATOR DIESEL TANK		
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Z07	DEGREASER FUGITIVE EMISSIONS		

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z14	COOLING TOWER EMISSIONS		



**PERMIT MAPS**

PROC
209 → CNTL
C209 → STAC
S209

PROC
307 → STAC
Z07

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

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

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

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

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

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

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

SECTION B. General State Only Requirements

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

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

#015 [25 Pa. Code § 127.11]

Reactivation

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

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

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

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

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

#017 [25 Pa. Code § 121.9]

Circumvention.

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

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

Reporting Requirements.

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

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

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

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

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

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

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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

The permittee may not allow the emission into the outdoor atmosphere of any fugitive air contaminant from a source other than the following:

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

002 [25 Pa. Code §123.2]

Fugitive particulate matter

The permittee may not allow fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C, Condition # 001, if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.31]

Limitations

The permittee may not allow 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 permittee's property.

004 [25 Pa. Code §123.41]

Limitations

The permittee may not allow the emission of visible air contaminants into the outdoor atmosphere 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 one hour.
- (2) Equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]

Exceptions

The emission limitations of Section C, Condition #004 (25 Pa Code section 123.41) shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitation.
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in Section C, Condition #001 (relating to prohibition of certain fugitive emissions).

SECTION C. Site Level Requirements

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) For the purpose of maintaining the facility's synthetic minor status, the permittee shall limit the combined emissions from Evergreen Community Power (OP 06-05153) and United Corrstack, LLC (OP 06-05079) to less than the following thresholds during any consecutive 12-month period:

- (1) 100 tons per year (TPY) of nitrogen oxides (NO_x)
- (2) 100 TPY of carbon monoxide (CO)
- (3) 50 TPY of volatile organic compounds (VOC)
- (4) 100 TPY of sulfur oxides (SO_x)
- (5) 100 TPY of PM-10 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 10 micron body)
- (6) 100 TPY of PM-2.5 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 2.5 micron body)
- (7) 10 TPY of any individual hazardous air pollutant (HAP)
- (8) 25 TPY of aggregate HAPs

(b) Compliance verification requires emissions to be calculated and recorded for each month and each consecutive 12-month period.

007 [25 Pa. Code §129.14]

Open burning operations

(a) The permittee may not allow open burning of materials except when 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 official.
- (2) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

(b) This permit does not constitute authorization to burn solid waste pursuant to section 610 (3) of the Solid Waste Management Act. 35 PS Section 6018.610 (3) or any other provision of the Solid Waste Management Act.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

009 [25 Pa. Code §139.1]

Sampling facilities.

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

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

SECTION C. Site Level Requirements

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and certified, to measure plume opacity with the naked eye, as per EPA Method 9, or with the aid of any devices approved by the Department.
- # 011 [25 Pa. Code §127.441]**
Operating permit terms and conditions.
The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive emissions, and malodorous air contaminants. Weekly inspections are necessary to determine:
- (a) The presence of visible emissions as stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #010. Alternately, plant personnel who observe visible emissions may report the incident of visible emissions to the Department within four (4) hours of the incident and make arrangements for a certified observer to measure the visible emissions.
- (b) The presence of fugitive emissions beyond the plant property boundaries, as stated in Section C, Condition #002.
- (c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003.

IV. RECORDKEEPING REQUIREMENTS.

- # 012 [25 Pa. Code §127.441]**
Operating permit terms and conditions.
(a) The permittee shall maintain records of inspections around the plant periphery. The records shall include, at a minimum, the following information:
- (1) The name of the company representative doing the observation.
 - (2) The date and time of the monitoring.
 - (3) The wind direction.
 - (4) A description of any emissions and/or malodors observed and the actions taken to mitigate them. If none, record "NONE."
- (b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.
- # 013 [25 Pa. Code §127.441]**
Operating permit terms and conditions.
The permittee shall maintain records of fuel usage by type and amount on a monthly and twelve-month rolling total basis. For this permit, fuel types are defined as natural gas, clean biomass, bio-based alternative fuel, and diesel fuel.

V. REPORTING REQUIREMENTS.

- # 014 [25 Pa. Code §127.442]**
Reporting requirements.
The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:
- (a) Any malfunction which poses an imminent danger to the public health, safety, welfare, and environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two (2) hours after the incident. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.
- (b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirement of subsection (a) above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

SECTION C. Site Level Requirements

(c) Telephone reports can be made to the Reading District Office at (610) 916-0100 during normal business hours or to the Department's Emergency Hotline is (866) 825-0208 at any time.

015 [25 Pa. Code §135.3]

Reporting

(a) An annual air emissions report for a given calendar year (January 1 through December 31) is due no later than March 1 of the following year, and shall be submitted to the Air Quality District Supervisor.

(b) The monthly air emissions and calculations referenced in Section C, Condition #006 shall be included in the annual air emissions report.

(c) The permittee may request an extension of time from the Department for the filing of the air emissions report specified in part (a), above, and the Department may grant the extension for reasonable cause.

016 [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.

017 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001. These actions shall include, but are not limited to the following:

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

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

(3) Paving and maintenance of roadways.

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

VII. ADDITIONAL REQUIREMENTS.

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.

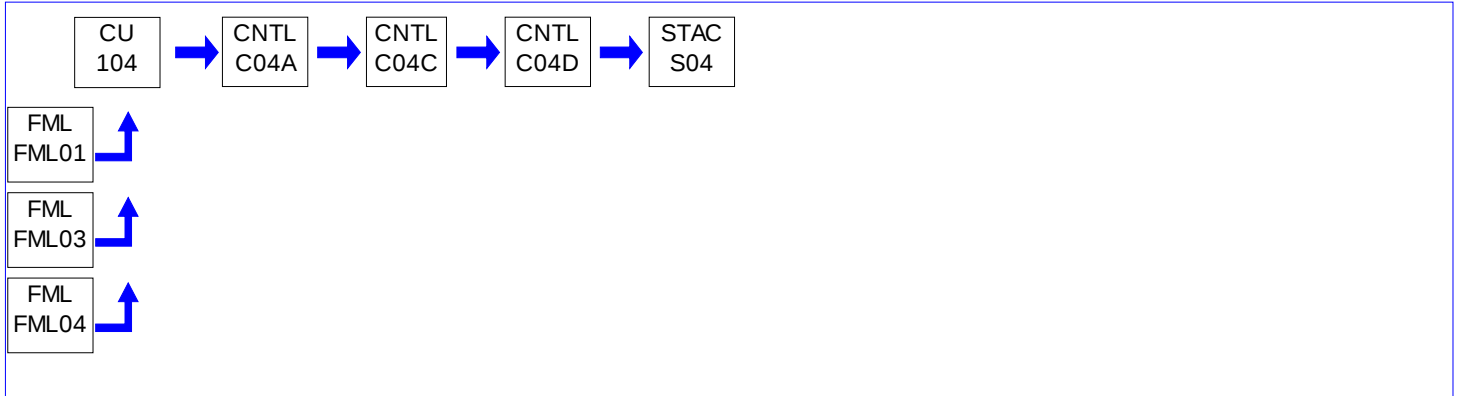
SECTION D. Source Level Requirements

Source ID: 104

Source Name: AUSTRIAN ENERGY & ENV BOILER (2009)

Source Capacity/Throughput:	482.000	MMBTU/HR	
	235.240	MCF/HR	Natural Gas
	56.050	Tons/HR	BIOMASS
	48.200	Tons/HR	BIO-BASED ALT FUEL

Conditions for this source occur in the following groups: GRP02
GRP03



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to the Best Available Technology (BAT) provision of 25 Pa. Code Section 127.12(a)(5), the permittee shall limit stack pollutant emissions as follows:

Pollutant	Emission limit
Sulfur dioxide (SO ₂)	0.044 lb/mmBtu (30-day rolling average) measured by CEMS
Total particulate matter	0.042 lb/mmBtu (3-hour block average)
Carbon monoxide (CO)	0.047 lb/mmBtu (30-day rolling average) measured by CEMS
Nitrogen oxides (NO _x)	0.042 lb/mmBtu (30-day rolling average) measured by CEMS
Volatile organic compounds (VOC)	0.017 lb/mmBtu (3-hour block average)
Hydrogen Chloride (HCl)	0.02 lb/mmBtu (30-day rolling average) measured by CEMS
Hydrogen Fluoride (HF)	0.002 lb/mmBtu (3-hour block average)
Ammonia (NH ₃)	0.006 lb/mmBtu (3-hour block average)
Sulfuric Acid Mist (H ₂ SO ₄)	0.003 lb/mmBtu (3-hour block average)
Opacity measured by COMS	10% for period or periods aggregating more than 3 minutes in any one hour or equal to or greater than 30% at any time. In accordance with 40 CFR 60.43b(g), these opacity standards apply at all times except during startup, shutdown or malfunction

(b) For short term variations, the permittee shall limit stack pollutant emissions as follows:

- | | |
|--|--|
| (1) Sulfur dioxide (SO ₂) | 0.22 lb/mmBtu (24-hour block average) measured by CEMS |
| (2) Nitrogen oxides (NO _x) | 0.21 lb/mmBtu (24-hour block average) measured by CEMS |
| (3) Carbon monoxide (CO) | 0.1 lb/mmBtu (4-hour block average) measured by CEMS |

(c) The carbon monoxide (CO) short term emission limit, under (b) above, does not apply during times of startup, post-outage startup, and shutdown as defined below.

- (1) Startup – the period beginning with initial use of the startup burners firing natural gas and ending at the time when the furnace reaches 1,600 deg F. The duration of the startup shall not exceed sixteen (16) consecutive hours unless an

SECTION D. Source Level Requirements

extended period is approved in writing by the Southcentral Regional Air Quality Program Manager.

(2) Post-Outage Startup – the period of time beginning with the initial use of the startup burner(s) after new refractory is installed in the combustor. Post-outage startups shall be allowed up to two (2) times per year and shall not exceed sixty one (61) consecutive hours for each post-outage startup unless an increase in occurrences and/or an extended period is approved in writing by the Southcentral Regional Air Quality Program Manager. The permittee shall maintain sufficient documentation, including but not limited to work orders, maintenance records, etc. to demonstrate the installation of new refractory.

(3) Shutdown – the period from cessation of feeding solid fuel(s) until all fuel(s) have been consumed or removed and natural gas has been shut-off to the boiler. The duration of the shutdown shall not exceed twelve (12) consecutive hours unless an extended period is approved in writing by the Southcentral Regional Air Quality Program Manager.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) In accordance with Plan Approval application 06-05079D, natural gas shall be the only fossil fuel burned in this combustion unit.

(b) CFB boiler fuels include engineered, stained and laminated scrap wood, composite scrap wood, sawdust, wood shavings, slab wood, wood scraps with applied finishes from industrial operations, textile wastes (such as scrap carpet, scrap diaper fiber, scrap burlap bags, soiled rags), creosote-treated wood waste, pentachlorophenol-treated wood waste, pre-consumer plastic waste, rubber waste, latex materials, paint including latex paint and coating sludge, food processing sludge, paper mill sludge, packing materials, standard and laminated paper, newspaper, coated cardboard, construction wastes, demolition wastes, waste tires, discarded conveyor belts, post-consumer plastic wastes with plastic recycling codes of 4 through 7, and other fuels allowed under DEP General Permit WMGM027.

Throughput Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the throughput of natural gas to less than 247 mmBtu/hr.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Unless otherwise approved in writing by DEP, during the calendar year 2017 the permittee, in accordance with the provisions of 25 Pa Code Section 139 and the Department's Source Testing Manual, shall conduct performance testing for the following:

- (1) PM (filterable) - EPA Method 5, 5B or 17
- (2) Total PM₁₀ (filterable & condensable) - EPA Methods 201A & 202
- (3) Total PM_{2.5} (filterable & condensable) - EPA Methods 201A & 202
- (4) Sulfuric acid mist (H₂SO₄) - EPA Method 8
- (5) Polycyclic aromatic hydrocarbons (PAH) - EPA Method 18
- (6) Dioxin and furans (D/F) - EPA Method 23
- (7) Volatile organic compounds (VOC) - EPA Method 25A
- (8) Hydrogen halides (HF) - EPA Method 26
- (9) Metals - EPA Method 29
- (10) Ammonia (NH₃) - EPA Conditional Test Method CTM-027

(b) Pursuant to 25 Pa. Code Section 139.3 at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

SECTION D. Source Level Requirements

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

(c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

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

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

(f) Pursuant to 25 Pa. Code Section 139.3 all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, a copy of the submittal shall be sent to the South Central Regional Office and the District Office.

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

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) During performance testing, the following parameters shall be continuously monitored and recorded for each of the ESPs:

- (1) Primary and Secondary voltages of the transformer rectifier (TR) Sets.
- (2) Primary and Secondary amperage of the transformer rectifier (TR) Sets.
- (3) The spark rate

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) In accordance with Plan Approval application 06-05079D, Section 3.1.1, and with Plan Approval application 06-05079E, Section 3.3, the permittee shall install, calibrate, maintain, and operate continuous flue gas monitoring systems for measuring HCl, SO₂, NO_x, CO, oxygen and opacity. Continuous flue gas monitoring systems for HCl, SO₂, NO_x, CO, oxygen and opacity must be approved by the Department and installed, operated, and maintained in accordance with the requirements of 25 PA Code 139.17 of the Department rules and regulations.

(b) The nitrogen oxides (NO_x) continuous emissions monitoring system (CEMS) and the continuous opacity monitoring system (COMS) must also comply with the requirements of 40 CFR 60.48b in Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.

(c) The sulfur dioxide (SO₂) continuous emissions monitoring system (CEMS) and the oxygen (O₂) continuous emissions monitoring system (CEMS) must also comply with the requirements of 40 CFR 60.47b in Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.

(d) The CEMS must be operated at all times the CFB is in operation including periods of startup and shutdown.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain instrumentation to measure and display:

- (1) Primary and Secondary voltages of the transformer rectifier (TR) Sets and
- (2) Primary and Secondary amperages of the transformer rectifier (TR) Sets.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain instrumentation to measure and display ammonia flow to the SCR.

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Each day the permittee shall record and maintain records of the amounts of consumption of each of the following items:

- (1) Limestone
- (2) Sand
- (3) Trona
- (4) Ammonia

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Each shift the permittee shall monitor and record:

- (1) Primary and Secondary voltages of the transformer rectifier (TR) Sets and
- (2) Primary and Secondary amperages of the transformer rectifier (TR) Sets.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each shift the permittee shall monitor and record the ammonia flow to the SCR.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]

Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

The permittee shall record and maintain records of the amounts of each fuel type combusted during each day.

SECTION D. Source Level Requirements

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b] Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

(a) The permittee shall maintain records of the following information for each steam generating unit operating day:

- (1) Calendar date.
 - (2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
 - (3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days.
 - (4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions standards with the reasons for such excess emissions as well as a description of corrective actions taken.
 - (5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
 - (6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
 - (7) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.
 - (8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system.
 - (9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3.
 - (10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under Appendix F, Procedure 1.
- [Reference 40 CFR 60.49b(g)]

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b] Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

(a) All records required for Boiler Source ID 104 shall be maintained by the permittee for a period of two years following the date of such record. [Reference 40 CFR 60.49b(o)]

(b) The permittee shall make these records available to the Department upon its request.

V. REPORTING REQUIREMENTS.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40b] Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units Applicability and delegation of authority.

Boiler Source ID 104 is subject to Subpart Db of the Standards of Performance for new Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department.

The U.S. EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue

SECTION D. Source Level Requirements

Harrisburg, PA 17110-8200

VI. WORK PRACTICE REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with Plan Approval application 06-05079D, heat input to boiler Source ID 104 shall not exceed 482 million Btu/hour calculated on a twelve-month rolling total. The fuel burn rate (tons of fuel per hour) will vary depending on the heating value of the fuel mix. The permittee shall maintain records of fuel use and Btu content. Each month the permittee shall calculate and maintain record of the heat input for the most recent twelve months.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43b]

Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units Standard for particulate matter.

The particulate matter and opacity standards apply at all times, except during periods of startup, shutdown or malfunction. [Reference 40 CFR 60.43b(g)]

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.44b]

Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units Standard for nitrogen oxides.

Nitrogen oxide standards apply at all times, including periods of startup, shutdown and malfunction. [Reference 40 CFR 60.44b(h)]

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The definitions under Section D, Source 104, Condition #001(c) are effective on the effective date of this permit.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Within 30 days of issuance of this permit, unless otherwise approved in writing by DEP, the permittee shall provide to the Department a written request for approval to resubmit (or not to resubmit) all previously submitted CEMS quarters, plus a justification and documentation for all quarters to be resubmitted, including the quarter(s), source ID(s), parameter(s), cause(s) of/reason(s) for resubmission, and corrective action(s) taken by the permittee in order to prevent recurrence of similar resubmissions in the future.

(b) Within 90 days of receipt of the Department's approval of the resubmission request in (a), the permittee shall, unless otherwise approved in writing by DEP, formally resubmit those reports to DEP, consistent with the approved resubmission request. The resubmission shall reference the resubmission request in (a), as well as the Department's approval of the resubmission request.

(c) For any past CEM quarters up through 3Q15 which have not yet been formally submitted by the permittee to DEP, the permittee shall, unless otherwise approved in writing by DEP, submit those reports to DEP at the same time as the reports which are to be submitted pursuant to (b) above.

(d) For any CEMS quarterly reports which have not yet initially been submitted by the permittee, and which cover quarters or parts of quarters on or after the issuance of this permit, the permittee shall include with the initial submission of such reports, any requests and justifications for extended startups/shutdowns which the permittee may deem necessary under D 104 001(c).

(e) In the event that DEP requests additional information regarding any of the items in (a)-(d) above, the permittee shall, unless otherwise approved in writing by DEP, provide such additional information within 14 days of receipt of DEP's request.

**SECTION D. Source Level Requirements**

021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.41b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Definitions.

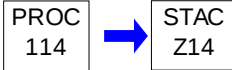
In accordance with EPA Method 19, "F" factors are ratios of combustion gas volumes to heat inputs in scf/million Btu.

SECTION D. Source Level Requirements

Source ID: 114

Source Name: COOLING TOWER

Source Capacity/Throughput:



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall measure and record the conductivity of the cooling tower water daily.

(b) The permittee shall measure the total dissolved solids "TDS" of the cooling tower water semiannually to validate the correlation with the conductivity test.

(c) The permittee shall maintain these records and shall make these records available to the Department upon its request.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record the data required to calculate cooling tower particulate matter emissions. The permittee shall monthly calculate and record cooling tower particulate matter emissions for the past calendar month. The permittee shall monthly calculate and record the twelve-month rolling total of cooling tower particulate matter emissions.

(b) The permittee shall maintain these records and shall make these records available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total dissolved solids in the cooling tower water shall not exceed 5,000 ppm on a 12-month rolling average.

VII. ADDITIONAL REQUIREMENTS.

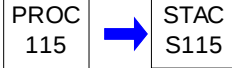
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 115

Source Name: TWO (2) 571 GAL/MIN COOLING TOWERS

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the particulate matter emissions (PM10) from Source ID 115 to less than 0.6 tpy during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

(a) The permittee shall calculate and record the following for Source ID 115:

- (1) Emissions of particulate matter (PM10) - Monthly
- (2) Emissions of particulate matter (PM10) - 12-month rolling totals

(b) The records shall be maintained at the facility for a period of 5-years and be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 140

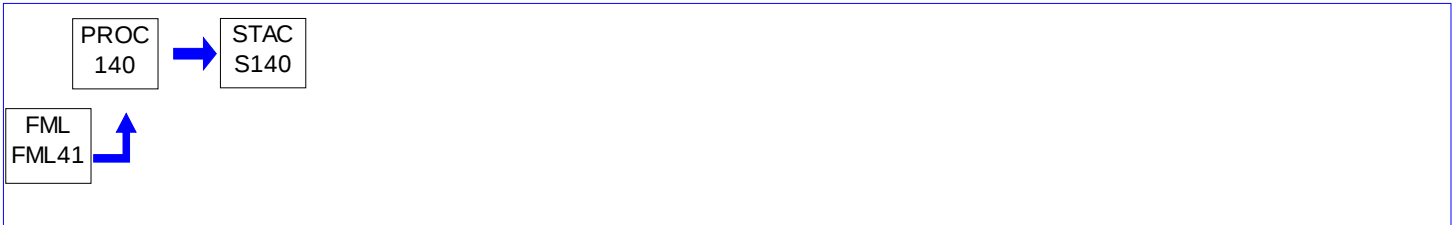
Source Name: 2561 HP EMERGENCY GENERATOR ENGINE (2007)

Source Capacity/Throughput:

47.200 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GRP04



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from an emergency generator into the outdoor atmosphere may not exceed 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total emergency generator nitrogen oxides (NO_x) emissions from each generator engine shall be less than 100 lb/hr, less than 1000 lbs/day, less than 2.75 tons/ozone season and less than 6.6 tons/yr.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The fuel for this emergency generator engine shall be diesel.

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit an emergency generator operating hours to 475 hours per year, based on a twelve-month rolling total, calculated monthly.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

(a) For each calendar month, the permittee shall calculate and maintain records of emergency generator operation including:

- (1) The number of hours operated per month.
- (2) The rolling total of the number of hours operated in the most recent twelve-month period.
- (3) Calculations used to verify emissions do not exceed the sulfur oxides and particulate matter limitations.

(b) These records shall be made available to the Department upon request and shall remain on file for five years.

V. REPORTING REQUIREMENTS.

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

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

Installation, maintenance and operation of an emergency generator shall be 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) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 150

Source Name: TRUCK UNLOADING STATION

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain 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.

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 unloading dust collector is only operated when required for worker comfort and is not required to operate at all times.

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: 203

Source Name: ASH SILO

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP01



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

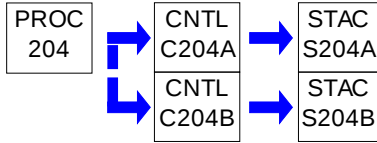
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 204

Source Name: EAGLE FLY ASH SYSTEM

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the particulate matter emissions (PM10) from Source ID 204 to less than 0.6 tpy during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

(a) The permittee shall calculate and record the following for Source ID 204:

- (1) Emissions of particulate matter (PM10) - Monthly
- (2) Emissions of particulate matter (PM10) - 12-month rolling totals

(b) The records shall be maintained at the facility for a period of 5-years and be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 206

Source Name: TRONA SILO

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP01



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 208

Source Name: FLY ASH CONVEYING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP01

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 209

Source Name: FUEL SILO

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP01



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

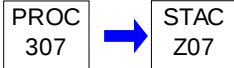
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 307

Source Name: PARTS WASHER

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

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

(a) The degreasers shall not employ any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) This permit condition does not apply:

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

- (A) Oxygen in concentrations greater than 23%
- (B) Ozone
- (C) Nitrous oxide
- (D) Fluorine
- (E) Chlorine
- (F) Bromine
- (G) Halogenated compounds

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

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

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 §129.63]****Degreasing operations**

(a) The permittee shall maintain the following records:

- (1) The name and address of the solvent supplier.
- (2) The type of solvent including the product or vendor identification number.

SECTION D. Source Level Requirements

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

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.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.63]****Degreasing operations**

Each degreaser shall have a permanent, conspicuous label summarizing the operating requirements in Condition #005, below. 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 degreasing unit.

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

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

004 [25 Pa. Code §129.63]**Degreasing operations**

Each degreaser shall be equipped with one of the following:

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

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

005 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall operate each degreaser in accordance with the following procedures:

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

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

(c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the degreaser.

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

(e) Spills during solvent transfer and use of each degreaser shall be cleaned up immediately.

006 [25 Pa. Code §129.63]**Degreasing operations**

SECTION D. Source Level Requirements

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

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §129.63]

Degreasing operations

All of the aforementioned permit conditions apply to any degreaser using 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

SECTION E. Source Group Restrictions.

Group Name: GRP01

Group Description: SILOS

Sources included in this group

ID	Name
203	ASH SILO
206	TRONA SILO
208	FLY ASH CONVEYING
209	FUEL SILO

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions into atmosphere from each GRP01 fabric collector shall not exceed 0.02 grain per dry standard cubic foot.

002 [25 Pa. Code §123.41]

Limitations

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

- (1) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one hour.
- (2) Equal to or greater than 30% at any time.

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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain instrumentation (differential manometer or equivalent, as approved by the Department) so that at any time the pressure differential across each GRP01 fabric collector can be measured except for unpowered bin vent filters.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor and record the pressure differential across each fabric collector if so equipped. The pressure differential shall be recorded a minimum of once per week while each GRP01 source and its respective fabric collector are operating. The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain detailed records of all maintenance performed on each fabric collector associated with the GRP01 sources. The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

SECTION E. Source Group Restrictions.**VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate each fabric collector at all times that its respective GRP01 source is operating.

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

The permittee shall operate and maintain each fabric collector associated with the GRP01 sources 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 E. Source Group Restrictions.

Group Name: GRP02

Group Description: CEM Standard Conditions

Sources included in this group

ID	Name
104	AUSTRIAN ENERGY & ENV BOILER (2009)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All continuous emission monitors shall meet the following minimum data availability requirements:

(a) In accordance with 25 PA Code §139.101(12), required monitoring for SO₂, CO, NO_x, and HCl shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(1) In each calendar month, at least 90% of the time periods for which each emission standard applies, shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual or;

(2) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual.

Compliance with any subsequently issued revisions to the Continuous Source Manual will constitute compliance with this condition.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This section applies to sources monitoring opacity.

(1) Opacity measurements shall be converted to represent plume opacity as described in the manual referenced in §139.102(3) (relating to references). The conversion method shall be approved by the Department.

(2) Opacity monitoring systems shall meet at least one of the following minimum data availability requirements unless other data availability requirements are stipulated elsewhere in this title for a particular process:

(i) At least 90% of the hours in each calendar month shall be valid hours as set forth in the quality assurance section of the manual referenced in §139.102(3).

(ii) At least 95% of the hours in each calendar quarter shall be valid hours as set forth in the quality assurance section of the manual referenced in §139.102(3).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the Record Keeping and Reporting requirements in Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

SECTION E. Source Group Restrictions.

Records shall be retained for at least 5 years and shall be made available to the Department upon request.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the Record Keeping and Reporting requirements as established in Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001, and the permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

Quality Assurance Requirement:

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the Quality Assurance requirements in Revision No 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

[Additional authority for this permit condition is derived from the Plan Approval No. 06-05079F]

The following continuous emission monitoring systems (CEMS) and components must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the Submittal and Approval, Record Keeping and Reporting, and Quality Assurance requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

1. SO₂ CEMS

- a. Source Combination to be Monitored: Source 104
- b. Parameter to be Reported: SO₂
- c. Units of Measurement to be Reported: lb/mmmbtu
- d. Moisture Basis of Measurement to be Reported: Dry
- e. Correction basis of Measurements to be Reported: No Correction Factor
- f. Data Substitution Required: No

SECTION E. Source Group Restrictions.

- g. Emission Standard: See Source 104, Condition 001
- h. Averaging Period: (1) 30-day rolling average, and (2) 24-hour block average

2. CO CEMS

- a. Source Combination to be Monitored: Source 104
- b. Parameter to be Reported: CO
- c. Units of Measurement to be Reported: lb/mmbtu
- d. Moisture Basis of Measurement to be Reported: Dry
- e. Correction basis of Measurements to be Reported: No Correction Factor
- f. Data Substitution Required: No
- g. Emission Standard: See Source 104, Condition 001
- h. Averaging Period: (1) 30-day rolling average, and (2) 4-hour block average

3. NOx CEMS

- a. Source Combination to be Monitored: Source 104
- b. Parameter to be Reported: NOx (as NO₂)
- c. Units of Measurement to be Reported: lb/mmbtu
- d. Moisture Basis of Measurement to be Reported: Dry
- e. Correction basis of Measurements to be Reported: No Correction Factor
- f. Data Substitution Required: No
- g. Emission Standard: See Source 104, Condition 001
- h. Averaging Period: (1) 30-day rolling average, and (2) 24-hour block average

4. HCl CEMS

- a. Source Combination to be Monitored: Source 104
- b. Parameter to be Reported: HCl
- c. Units of Measurement to be Reported: lb/mmbtu
- d. Moisture Basis of Measurement to be Reported: Dry
- e. Correction basis of Measurements to be Reported: No Correction Factor
- f. Data Substitution Required: No
- g. Emission Standard: See Source 104, Condition 001
- h. Averaging Period: 30-day rolling average

5. Opacity CEMS

- a. Source Combination to be Monitored: Source 104
- b. Parameter to be Reported: Opacity
- c. Units of Measurement to be Reported: percent
- d. Moisture Basis of Measurement to be Reported: NA
- e. Correction basis of Measurements to be Reported: NA
- f. Data Substitution Required: No
- g. Emission Standard: See Source 104, Condition 001
- h. Averaging Period: See Source 104, Condition 001

6. O₂ CEMS

- a. Source Combination to be Monitored: Source 104
- b. Parameter to be Reported: O₂
- c. Units of Measurement to be Reported: percent
- d. Moisture Basis of Measurement to be Reported: NA
- e. Correction basis of Measurements to be Reported: NA
- f. Data Substitution Required: NA
- g. Emission Standard: NA
- h. Averaging Period: NA

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

SECTION E. Source Group Restrictions.

Group Name: GRP03

Group Description: 40 CFR 63, Supbart JJJJJ Source(s)

Sources included in this group

ID	Name
104	AUSTRIAN ENERGY & ENV BOILER (2009)

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.

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.

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11193]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

Am I subject to this subpart?

§ 63.11193 Am I subject to this subpart?

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler as defined in § 63.11237 that is located at, or is part of, an area source of hazardous air pollutants (HAP), as defined in § 63.2, except as specified in § 63.11195.

§ 63.11194 What is the affected source of this subpart?

(a) This subpart applies to each new, reconstructed, or existing affected source as defined in paragraphs (a)(1) and (2) of this section.

(1) The affected source of this subpart is the collection of all existing industrial, commercial, and institutional boilers within a subcategory, as listed in § 63.11200 and defined in § 63.11237, located at an area source.

(2) The affected source of this subpart is each new or reconstructed industrial, commercial, or institutional boiler within a subcategory, as listed in § 63.11200 and as defined in § 63.11237, located at an area source.

SECTION E. Source Group Restrictions.

(b) An affected source is an existing source if you commenced construction or reconstruction of the affected source on or before June 4, 2010.

(c) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

(d) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

(e) An existing dual-fuel fired boiler meeting the definition of gas-fired boiler, as defined in § 63.11237, that meets the applicability requirements of this subpart after June 4, 2010 due to a fuel switch from gaseous fuel to solid fossil fuel, biomass, or liquid fuel is considered to be an existing source under this subpart as long as the boiler was designed to accommodate the alternate fuel.

(f) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or part 71 as a result of this subpart. You may, however, be required to obtain a title V permit due to another reason or reasons. See 40 CFR 70.3(a) and (b) or 71.3(a) and (b). Notwithstanding the exemption from title V permitting for area sources under this subpart, you must continue to comply with the provisions of this subpart.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

§ 63.11195 Are any boilers not subject to this subpart?

The types of boilers listed in paragraphs (a) through (k) of this section are not subject to this subpart and to any requirements in this subpart.

(a) [NA – NO UNITS PART OF SOURCES SUBJECT TO OTHER PART 63 SUBPART]

(b) [NA – NO CAA SECTION 129 UNITS]

(c) [NA – UNITS DO NOT BURN HAZARDOUS WASTE].

(d) [NA – UNITS ARE NOT R&D]

(e) [NA – GAS ONLY USED FOR STARTUP, UNITS ARE NOT DEFINED AS GAS-FIRED]

(f) [NA – UNITS NOT DEFINED AS HOT WATER HEATERS]

(g) [NA – UNITS NOT USED AS CONTROL DEVICES]

(h) [NA – UNITS DO NOT QUALIFY AS TEMPORARY UNITS]

(i) [NA – UNITS ARE NOT DEFINED AS RESIDENTIAL]

(j) [NA – UNITS ARE NOT DEFINED AS ELECTRIC]

(k) [NA – UNITS ARE NOT SUBJECT TO MACT 5U]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

§ 63.11196 What are my compliance dates?

(a) If you own or operate an existing affected boiler, you must achieve compliance with the applicable provisions in this subpart as specified in paragraphs (a)(1) through (3) of this section.

(1) If the existing affected boiler is subject to a work practice or management practice standard of a tune-up, you must achieve compliance with the work practice or management practice standard no later than March 21, 2014.

(2) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

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(3) If the existing affected boiler is subject to the energy assessment requirement, you must achieve compliance with the energy assessment requirement no later than March 21, 2014.

(b) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

(c) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

(d) [NA – NSPS 4C AND 4D EXEMPTIONS NOT INVOKED]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

Emission Limits, Work Practice Standards, Emission Reduction Measures, and Management Practices

§ 63.11200 What are the subcategories of boilers?

The subcategories of boilers, as defined in § 63.11237 are:

(a) [NA - SOURCES IN THIS GROUP ARE BIOMASS, AND ARE NOT SEASONAL OR LIMITED USE]

(b) Biomass.

(c) – (g) [NA - SOURCES IN THIS GROUP ARE BIOMASS, AND ARE NOT SEASONAL OR LIMITED USE]

[78 FR 7506, Feb. 1, 2013]

§ 63.11201 What standards must I meet?

(a) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(b) You must comply with each work practice standard, emission reduction measure, and management practice specified in Table 2 to this subpart that applies to your boiler. An energy assessment completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in Table 2 to this subpart satisfies the energy assessment requirement. A facility that operates under an energy management program established through energy management systems compatible with ISO 50001, that includes the affected units, also satisfies the energy assessment requirement.

TABLE 2 REQUIREMENTS:

As stated in § 63.11201, you must comply with the following applicable work practice standards, emission reduction measures, and management practices:

6. If your boiler is in this subcategory: Existing biomass-fired boilers that do not meet the definition of seasonal boiler or limited-use boiler, or use an oxygen trim system that maintains an optimum air-to-fuel ratio, you must meet the following: Conduct an initial tune-up as specified in § 63.11214, and conduct a tune-up of the boiler biennially as specified in § 63.11223.

16. If your boiler is in this subcategory: Existing coal-fired, biomass-fired, or oil-fired boilers (units with heat input capacity of 10 MMBtu/hr and greater), not including limited-use boilers, you must meet the following: Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in § 63.11237:

(1) A visual inspection of the boiler system,

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- (2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
- (3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures that are within the facility's control,
- (6) A list of the energy savings potential of the energy conservation measures identified, and
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

END OF TABLE 2 REQUIREMENTS

(c) [NA – SOURCES IN THIS GROUP ARE NOT SUBJECT TO OPERATING LIMITS]

(d) These standards apply at all times the affected boiler is operating, except during periods of startup and shutdown as defined in § 63.11237, during which time you must comply only with Table 2 to this subpart.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

General Compliance Requirements

§ 63.11205 What are my general requirements for complying with this subpart?

(a) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(c) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

Initial Compliance Requirements

§ 63.11210 What are my initial compliance requirements and by what date must I conduct them?

(a) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(b) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(c) For existing affected boilers that have applicable work practice standards, management practices, or emission reduction measures, you must demonstrate initial compliance no later than the compliance date that is specified in § 63.11196 and according to the applicable provisions in § 63.7(a)(2), except as provided in paragraph (j) of this section.

(d) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

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(e) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

(f) [NA – THE SOURCES IN THIS GROUP ARE EXISTING]

(g) [NA – NSPS 4C AND 4D EXEMPTIONS NOT INVOKED]

(h) For affected boilers that switch fuels or make a physical change to the boiler that results in the applicability of a different subcategory within subpart JJJJJJ or the boiler becoming subject to subpart JJJJJJ, you must demonstrate compliance within 180 days of the effective date of the fuel switch or the physical change. Notification of such changes must be submitted according to § 63.11225(g).

(i) [NA – FACILITY IS MINOR FOR HAP]

(j) [NA – UNITS HAVE OPERATED SINCE 6J EFFECTIVE DATE]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7507, Feb. 1, 2013]

§ 63.11211 How do I demonstrate initial compliance with the emission limits?

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

§ 63.11212 What stack tests and procedures must I use for the performance tests?

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

§ 63.11213 What fuel analyses and procedures must I use for the performance tests?

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

§ 63.11214 How do I demonstrate initial compliance with the work practice standard, emission reduction measures, and management practice?

(a) [NA – SOURCES IN THIS GROUP ARE BIOMASS]

(b) If you own or operate an existing or new biomass-fired boiler or an existing or new oil-fired boiler, you must conduct a performance tune-up according to § 63.11223(b) and you must submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the boiler.

(c) If you own or operate an existing affected boiler with a heat input capacity of 10 million Btu per hour or greater, you must submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 to this subpart and is an accurate depiction of your facility.

(d) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7508, Feb. 1, 2013]

Continuous Compliance Requirements

§ 63.11220 When must I conduct subsequent performance tests or fuel analyses?

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING OR FUEL ANALYSES]

§ 63.11221 Is there a minimum amount of monitoring data I must obtain?

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

§ 63.11222 How do I demonstrate continuous compliance with the emission limits?

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[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

§ 63.11223 How do I demonstrate continuous compliance with the work practice and management practice standards?

(a) For affected sources subject to the work practice standard or the management practices of a tune-up, you must conduct a performance tune-up according to paragraph (b) of this section and keep records as required in § 63.11225(c) to demonstrate continuous compliance. You must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

(b) Except as specified in paragraphs (c) through (f) of this section, you must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (7) of this section. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up must be no later than 25 months after the initial startup of the new or reconstructed boiler.

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.

(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection.

(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

(5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(6)(i) through (iii) of this section.

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

(c) [NA – NO OXYGEN TRIM SYSTEM]

(d) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS SEASONAL]

(e) [NA - SOURCES IN THIS GROUP ARE BIOMASS]

(f) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS LIMITED USE]

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(g) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7509, Feb. 1, 2013]

§ 63.11224 What are my monitoring, installation, operation, and maintenance requirements?

(a) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(b) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(c) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(d) [NA – SOURCES IN THIS GROUP ARE NOT SUBJECT TO OPERATING LIMITS]

(e) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(f) [NA – BLDS NOT USED OR REQUIRED]

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7510, Feb. 1, 2013]

§ 63.11225 What are my notification, reporting, and recordkeeping requirements?

(a) You must submit the notifications specified in paragraphs (a)(1) through (5) of this section to the administrator.

(1) You must submit all of the notifications in §§ 63.7(b); 63.8(e) and (f); and 63.9(b) through (e), (g), and (h) that apply to you by the dates specified in those sections except as specified in paragraphs (a)(2) and (4) of this section.

(2) An Initial Notification must be submitted no later than January 20, 2014 or within 120 days after the source becomes subject to the standard.

(3) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

(4) You must submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in § 63.11196 unless you must conduct a performance stack test. If you must conduct a performance stack test, you must submit the Notification of Compliance Status within 60 days of completing the performance stack test. You must submit the Notification of Compliance Status in accordance with paragraphs (a)(4)(i) and (vi) of this section. The Notification of Compliance Status must include the information and certification(s) of compliance in paragraphs (a)(4)(i) through (v) of this section, as applicable, and signed by a responsible official.

(i) You must submit the information required in § 63.9(h)(2), except the information listed in § 63.9(h)(2)(i)(B), (D), (E), and (F). If you conduct any performance tests or CMS performance evaluations, you must submit that data as specified in paragraph (e) of this section. If you conduct any opacity or visible emission observations, or other monitoring procedures or methods, you must submit that data to the Administrator at the appropriate address listed in § 63.13.

(ii) “This facility complies with the requirements in § 63.11214 to conduct an initial tune-up of the boiler.”

(iii) “This facility has had an energy assessment performed according to § 63.11214(c).”

(iv) [NA – BLDS NOT USED OR REQUIRED]

(v) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: “No secondary materials that are solid waste were combusted in any affected unit.”

(vi) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA’s Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in § 63.13.

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(5) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(b) You must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (b)(1) through (4) of this section. You must submit the report by March 15 if you had any instance described by paragraph (b)(3) of this section. For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to § 63.11223(a) and not subject to emission limits or operating limits, you may prepare only a biennial or 5-year compliance report as specified in paragraphs (b)(1) and (2) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility complies with the requirements in § 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

(ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

(iii) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(4) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(c) You must maintain the records specified in paragraphs (c)(1) through (7) of this section.

(1) As required in § 63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by § 63.11214 and § 63.11223 as specified in paragraphs (c)(2)(i) through (vi) of this section.

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to § 241.3(b)(1) of this chapter, you must keep a record which documents how the secondary material meets each of the legitimacy criteria under § 241.3(d)(1). If you combust a fuel that has been processed from a discarded non-hazardous secondary material pursuant to § 241.3(b)(4) of this chapter, you must keep records as to how the operations that produced the fuel satisfies the definition of processing in § 241.2 and each of the legitimacy criteria in § 241.3(d)(1) of this chapter. If the fuel received a non-waste determination pursuant to the petition process submitted under § 241.3(c) of this chapter, you must keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per § 241.4, you must keep records documenting that the material is a listed non-waste under § 241.4(a).

(iii) For each boiler required to conduct an energy assessment, you must keep a copy of the energy assessment report.

(iv) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(v) [NA - SOURCES IN THIS GROUP ARE NOT DEFINED AS SEASONAL]

SECTION E. Source Group Restrictions.

(vi) [NA – SOURCES IN THIS GROUP ARE NOT DEFINED AS LIMITED USE]

(3) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO FUEL ANALYSES]

(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in § 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(6) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

(7) [NA – BLDS NOT USED OR REQUIRED]

(d) Your records must be in a form suitable and readily available for expeditious review. You must keep each record for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.

(e) [NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO PERFORMANCE TESTING]

(f) If you intend to commence or recommence combustion of solid waste, you must provide 30 days prior notice of the date upon which you will commence or recommence combustion of solid waste. The notification must identify:

(1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that will commence burning solid waste, and the date of the notice.

(2) The currently applicable subcategory under this subpart.

(3) The date on which you became subject to the currently applicable emission limits.

(4) The date upon which you will commence combusting solid waste.

(g) If you have switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or you have taken a permit limit that resulted in you being subject to subpart JJJJJJ, you must provide notice of the date upon which you switched fuels, made the physical change, or took a permit limit within 30 days of the change. The notification must identify:

(1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice.

(2) The date upon which the fuel switch, physical change, or permit limit occurred.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7511, Feb. 1, 2013].

§ 63.11226 Affirmative defense for violation of emission standards during malfunction.

[NA - SOURCES IN THIS GROUP ARE NOT SUBJECT TO EMISSION LIMITS]

Other Requirements and Information

§ 63.11235 What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you.

SECTION E. Source Group Restrictions.**Regulatory Changes**

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart JJJJJJ shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA.

The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

SECTION E. Source Group Restrictions.

Group Name: GRP04

Group Description: 40 CFR 60, Subpart IIII Source(s)

Sources included in this group

ID	Name
140	2561 HP EMERGENCY GENERATOR ENGINE (2007)

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.

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.

001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?

§ 60.4200 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.

(a)(1) [NA - NOT AN ENGINE MANUFACTURER]

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

(a)(2)(i) Manufactured after April 1, 2006, and are not fire pump engines, or

(a)(2)(ii) [NA - NOT FIRE PUMP ENGINE]

(a)(3) [NA - NOT MODIFIED OR RECONSTRUCTED]

SECTION E. Source Group Restrictions.

(a)(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) [NA – TEST CELL NOT INVOLVED]

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

(d) Stationary CI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR part 89, subpart J and 40 CFR part 94, subpart J, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

(e) [NA – NOT TEMPORARY REPLACEMENT UNIT(S)]

Emission Standards for Owners and Operators

§ 60.4204 [NA – UNIT(S) ARE EMERGENCY]

§ 60.4205 What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

(a) [NA - ENGINE(S) ARE 2007 MODEL YEAR OR LATER]

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

60.4202 REQUIREMENTS

60.4202(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

(a)(1) [NA - UNIT(S) > 50 HP]

(a)(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.

NOTE: THIS MTU ENGINE IS 1910 KW (2561 HP) CERTIFIED TO MEET EPA TIER 2 EMISSION STANDARDS.

FROM 89.113

(a) Exhaust opacity from compression-ignition nonroad engines for which this subpart is applicable must not exceed:

(a)(1) 20 percent during the acceleration mode;

(a)(2) 15 percent during the lugging mode; and

(a)(3) 50 percent during the peaks in either the acceleration or lugging modes.

END OF 60.4202 REQUIREMENTS

(c) [NA - NOT FIRE PUMP ENGINES]

SECTION E. Source Group Restrictions.

(d) [NA - UNIT(S) < 30 L/CYL]

(e) [NA - DOES NOT CONDUCT PERFORMANCE TESTS IN USE]

(f) [NA - NOT MODIFIED/RECONSTRUCTED]

§ 60.4206 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 standards as required in §§ 60.4204 and 60.4205 over the entire life of the engine.

Fuel Requirements for Owners and Operators

§ 60.4207 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) Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a).

[§80.510(a): All Nonroad, Locomotive and Marine (NRLM) diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content: 500 parts per million (ppm) maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.]

(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, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

[§80.510(b): All Nonroad, (NR) diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.]

(c) [Reserved]

(d) [NA - UNIT(S) < 30 L/CYL]

(e) [NA – NO NATIONAL SECURITY EXEMPTION]

Other Requirements for Owners and Operators

§ 60.4208 What is the deadline for importing or installing stationary CI ICE produced in previous model years?

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) [NA - UNIT(S) > 25 HP AND NOT FIRE PUMP ENGINES]

(c) - (g) [NA - UNIT(S) ARE EMERGENCY]

(h) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

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(i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

§ 60.4209 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 that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in § 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.

Compliance Requirements

§ 60.4211 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:

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

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

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

(b) [NA - ENGINE(S) MANUFACTURED IN 2007]

(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) [NA - UNIT(S) NOT SUBJECT TO § 60.4204(c) or § 60.4205(d)]

(e) [NA - NOT MODIFIED/RECONSTRUCTED]

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(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 (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(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.

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

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

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allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(f)(2)(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.

(f)(2)(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(f)(2)(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.

(f)(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 (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar 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.

(f)(3)(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:

(f)(3)(i)(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(f)(3)(i)(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.

(f)(3)(i)(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(f)(3)(i)(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(f)(3)(i)(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.

(f)(3)(ii) [Reserved]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(g)(1) If you are an owner or operator of a stationary CI internal combustion engine with maximum engine power less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance 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, if you do not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action.

(g)(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less

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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.

(g)(3) If you are an owner or operator of a stationary CI internal combustion engine greater than 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. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

Testing Requirements for Owners and Operators

§ 60.4212 [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4211(g)]

§ 60.4213 [NA – DISPLACEMENT <30 L/CYL]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37971, June 28, 2011]

Notification, Reports, and Records for Owners and Operators

§ 60.4214 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) [NA – UNIT(S) ARE EMERGENCY]

(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) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached.

(d) [NA - NOT OBLIGATED TO BE AVAILABLE FOR PURPOSES SPECIFIED IN 60.4211(f)(2)(ii) OR (iii) AND WILL NOT OPERATE FOR PURPOSES SPECIFIED IN 60.4211(f)(3)(i)]

General Provisions

§ 60.4218 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.

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart IIII shall comply with all applicable requirements of the Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA.

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The EPA copies shall be forwarded to:

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

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

#001

This Synthetic Minor Operating Permit includes various sources previously operated under State-Only Operating Permit 06-05079 which was issued 12/3/09 and modified on 6/2/14.

As stated in the application, separate permits were requested "Due to business reasons and the assignment of corporate responsibilities, United Corrstack is seeking to separate the existing operating permit into two permits, one which will apply to the cardboard recycling facility (UCI), and this one which will apply to the on-site power plant, (ECP)."

#002

Source 140, 2561 hP Emergency Generator Engine (2007) provides emergency power for the safe shutdown of the boiler.

#003

NOTE: All of the capacity/throughput values listed in Sections A and D are for informational purposes only and are not operating limits unless stated so in conditions in Section D or Section E.

#004

NOTE: 235.24 MCF/HR maximum natural gas capacity for Source 104 assumes 247 mmBtu/hr burners using natural gas with a heat content of 1,050 Btu per cubic foot.

#005

The following equipment and activities are not subject to any other specific work practices, testing, monitoring, recordkeeping, or reporting requirements:

- Dryer exhausts
- Exhaust fans for worker comfort
- Two (2) 320,000 Btu/hr natural gas heaters for heating the offices
- Source 151, Fuel Conveyors (12)
- Source 152, BC#1 Shredder
- Source 153, Disc Screen
- Source 154, BC#2 Shredder
- Source 155, Shredder By-pass Roll Off
- Source 201, Fuel Feed Bins (2) venting inside
- Source 204, Limestone Silo venting inside
- Source 205, Sand Silo venting inside
- Source 207, Bed Ash Conveying venting inside
- Source 207A, Bed Ash Recycle venting inside

#006

NOTE REGARDING THE STARTUP OF SOURCE ID 104: Some examples requiring extended period startup are: steam blows after boiler tube repair or replacement, commissioning of critical new or modified controls, electrical or mechanical systems.

#007

Source ID 204, Eagle Fly Ash System, consists of the following equipment:

- 4 tph pneumatic fly ash conveying controlled by a fly ash silo separator
- One (1) 50 ton fly ash silo controlled by a bin vent filter

#008

Per the 10/9/13 RFD concerning conductivity vs TDS correlation, it was determined that 1,940 umhos/cm = 1,317 mg/L (ppm) TDS (RATIO OF 0.679), therefore:

$$\text{TDS (ppm)} = \text{conductivity (umhos/cm)} \times 0.679$$



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