



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	August 25, 2006	Effective Date:	August 25, 2006
Revision Date:	April 6, 2007	Expiration Date:	August 25, 2011
Revision Type:	Amendment		

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

[TITLE V Permit No: 11-00332](#)

Federal Tax Id - Plant Code: 20-0695338-1

**Owner Information**

Name: NORTHERN STAR GENERATION LLC  
Mailing Address: 243 RUBISCH RD  
EBENSBURG, PA 15931-4500

**Plant Information**

Plant: CAMBRIA COGEN CO  
Location: 11 Cambria County 11923 Cambria Township  
SIC Code: 4911 Trans. & Utilities - Electric Services

**Responsible Official**

Name: ROBERT N SIMMERMAN  
Title: PLANT MANAGER  
Phone: (814) 472 - 1120

**Permit Contact Person**

Name: SHAWN T SIMMERS  
Title: EHS MGR  
Phone: (814) 472 - 1120

[Signature] \_\_\_\_\_  
MARK A WAYNER, SOUTHWEST REGION AIR PROGRAM MANAGER



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	PYROPOWER UNIT A	560.000	MMBTU/HR
032	PYROPOWER UNIT B	560.000	MMBTU/HR
033	NEBRASKA BOILER	98.400	MMBTU/HR
101	FUEL PREPARATION		
102	ASH HANDLING/PILE		
104	LIMESTONE HANDLING SYSTEM		
105	BACKUP BMR AIR HEATER		
107	FUEL CONVEYING		
C01	BAGHOUSE		
C02	BAGHOUSE		
C03	FUEL PREPARATION		
C04	FUEL HANDLING DUST COLLECTORS		
C06	SNCR SYSTEM WITH AMMONIA		

## PERMIT MAPS



## SECTION B. General Title V 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 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.512(c)(4)]

## Property Rights

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

#003 [25 Pa. Code § 127.446(a) and (c)]

## Permit Expiration

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. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V 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. 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.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) &amp; 127.503]

## Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) 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. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#005 [25 Pa. Code §§ 127.450(a)(4) &amp; 127.464(a)]

## Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) 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,

**SECTION B. General Title V Requirements**

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

**Inspection and Entry**

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

(1) Enter at reasonable times upon the permittee's premises where a Title V 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 or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, 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, 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.

(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 §§ 127.25, 127.444, & 127.512(c)(1)]

**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) 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 to the source are 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 Title V 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.



## SECTION B. General Title V Requirements

#008 [25 Pa. Code § 127.512(c)(2)]

### Need to Halt or Reduce Activity Not a Defense

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

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

### Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

### Reopening and Revising the Title V Permit for Cause

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#011 [25 Pa. Code § 127.543]

### Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

**SECTION B. General Title V Requirements**

#012 [25 Pa. Code § 127.541]

**Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

#013 [25 Pa. Code §§ 121.1 &amp; 127.462]

**Minor Operating Permit Modifications**

- (a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.
- (b) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to an operational flexibility change authorized by 25 Pa. Code § 127.462.

#014 [25 Pa. Code § 127.450]

**Administrative Operating Permit Amendments**

- (a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.
- (b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]

**Severability Clause**

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

#016 [25 Pa. Code §§ 127.704, 127.705 &amp; 127.707]

**Fee Payment**

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).



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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]

**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. 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.

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

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

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

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

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

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

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(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, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less



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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.

(d) 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 (b)(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 the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(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 allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical 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.

#018 [25 Pa. Code §§ 127.11a & 127.215]

### Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(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).



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#019 [25 Pa. Code §§ 121.9 &amp; 127.216]

**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) 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 this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#020 [25 Pa. Code §§ 127.402(d) &amp; 127.513(1)]

**Submissions**

(a) 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 on the permit transmittal letter,  
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Air Enforcement Branch (3AP12)  
United States Environmental Protection Agency  
Region 3  
1650 Arch Street  
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#021 [25 Pa. Code §§ 127.441(c) &amp; 127.463(e); Chapter 139; &amp; 114(a)(3), 504(b) of the CAA]

**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#022 [25 Pa. Code §§ 127.511 &amp; Chapter 135]

**Recordkeeping Requirements**

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



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- (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 the 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

### Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#024 [25 Pa. Code § 127.513]

### Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This

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certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance or, of the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]

### Operational Flexibility

(a) The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

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

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

### Risk Management

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

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

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,



## SECTION B. General Title V Requirements

(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#027 [25 Pa. Code § 127.512(e)]

### Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

### Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.



## SECTION B. General Title V Requirements

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.



## SECTION C. Site Level Requirements

### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §123.1]

##### Prohibition of certain fugitive emissions

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Sources and classes of sources other than those identified in paragraphs (1)-(6), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(7) and (c) and 123.2 (relating to fugitive particulate matter) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

# 002 [25 Pa. Code §123.2]

##### Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 123.1(a)(1) -- (7) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

# 003 [25 Pa. Code §123.31]

##### Limitations

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

# 004 [25 Pa. Code §129.14]

##### Open burning operations

(a) No person may permit the open burning of material in a manner that:





**SECTION C. Site Level Requirements**

- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the owner/operator.
- (2) Malodorous air contaminants from the open burning are detectable outside the property of the owner/operator.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) EXCEPTIONS: The requirements stated in 1-5 do not apply where the open burning operations result from:

- (1) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (2) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (3) A fire set solely for recreational or ceremonial purposes.
- (4) A fire set solely for cooking food.
- (5) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(c) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this applicable requirement the following terms shall have the following meanings:

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

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

(2) notwithstanding clearing and grubbing wastes may be burned subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes that have been transported.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §123.42]

**Exceptions**

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:



SECTION C. Site Level Requirements

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (7) (relating to prohibition of certain fugitive emissions).

# 006 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

# 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The company shall continuously monitor the plant for malodors and fugitive dust.

# 008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

Pursuant to the monitoring plan for the opacity CEM submitted and approved herein the owner or operator shall conform to the following:

(a) Calibration Procedures

- (1) monitors shall be calibrated daily along with zero compensation
- (2) zero span calibration values shall be periodically checked

(b) Operation and Maintenance Procedures

Maintenance items shall be monitored by an array of status indicators on the control room unit to signal the need for cleaning exposed optical surfaces.

other monitors shall indicate;

- status of protective shutters
- on stack lamp
- electric faults
- optical density
- overrange operation
- smoke levels in excess of one or both dual alarm detections



## SECTION C. Site Level Requirements

### IV. RECORDKEEPING REQUIREMENTS.

# 009 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

In the event of a malodorous emission or fugitive dust beyond the property line, a log entry describing the event and its duration shall be made in an electronic log and kept for 5 years. The electronic log shall be made available to the Department upon demand.

# 010 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

The owner or operator shall keep sufficient records to demonstrate compliance with the limitations, restrictions, and requirements of the RACT permit as per 25 PA Code 129.95. These records shall provide sufficient data and calculations to clearly demonstrate compliance consistent with all averaging times and periods. These records shall be maintained for at least 5 years and made available to the Department upon request.

Compliance with this condition ensures compliance with the applicable requirements of 25 PA code, 129.95 and the required 2 year record retention requirement.

# 011 [25 Pa. Code §129.95]

#### Recordkeeping

(a) The owner and operator of a major NOx emitting facility or a major VOCs emitting facility shall keep records to demonstrate compliance with 129.91 -- 129.94.

(b) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 129.91 -- 129.94 are met.

(c) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(d) The records shall be retained for at least 2 years and shall be made available to the Department on request.

(e) An owner or operator claiming that a facility is exempt from the RACT requirements of 129.91 -- 129.94, based on the facility's potential to emit, shall maintain records that clearly demonstrate to the Department that the facility or source is not subject to 129.91 -- 129.94.

# 012 [25 Pa. Code §135.5]

#### Recordkeeping

The owner/operator shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

### V. REPORTING REQUIREMENTS.

# 013 [25 Pa. Code §127.442]

#### Reporting requirements.

(a) The permittee shall report to the Department each malfunction that occurs at the Title V facility. As defined in 40 CFR §60.2 and incorporated by reference in 25 PA Code Chapter 122, a malfunction means 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.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or potential harm to



## SECTION C. Site Level Requirements

the environment, the notification shall be submitted to the Department no later than one hour after the incident.

(c) Unless otherwise required by specific reporting requirements, any malfunction that is not subject to the notice requirements of subsection (b) of this permit condition shall be reported to the Department within 24 hours (or the next business day) of discovery of the malfunction.

(1) The permittee shall notify the Regional Air Program Manager within 24 hours (or the next business day) of becoming aware of the occurrence of excess emissions which last for more than 4 hours and which result from a malfunction, a breakdown of process or control equipment or any abnormal condition.

The notice shall describe the:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction or breakdown;
- (iii) time when the malfunction or breakdown was first observed;
- (iv) expected duration of excess emissions; and
- (v) estimated rate of emissions.

(2) The permittee shall notify the Department immediately when corrective measures have been accomplished.

(3) Subsequent to the malfunction, the permittee shall submit a full report on the malfunction to the Department within 15 days, if requested.

(4) The permittee shall submit reports on the operation and maintenance of the source to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

(a) Each source shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of the source.

(b) At a minimum, each permit shall incorporate by reference the reporting requirements of the act, the Clean Air Act or the regulations thereunder applicable to the source.

# 014 [25 Pa. Code §135.21]

### Emission statements

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

# 015 [25 Pa. Code §135.3]

### Reporting

(a) The Owner/Operator shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

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



## SECTION C. Site Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

# 016 [25 Pa. Code §123.1]

#### Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from a source identified in 25 PA Code 123(a)(1)-(7) from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means. [25 PA Code 123.1 and 123.2]

### VII. ADDITIONAL REQUIREMENTS.

# 017 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

Emission reductions of the targeted contaminants(NOx) below the levels specified in this Approval which are achieved by optimizing the effectiveness of equipment installed pursuant to the Plan Approvals are not surplus emission reductions and shall not be used to generate Emission Reduction Credits. In order for emission reductions to be creditable, the emissions reductions must satisfy the requirements of 25 Pa Code, Chapter 127, Subchapter E.

# 018 [25 Pa. Code §127.531]

#### Special conditions related to acid rain.

(a) This section describes the permit program for acid deposition control in accordance with Titles IV and V of the Clean Air Act (42 U.S.C.A. 7641 and 7642 and 7661--7661f). The provisions of this section shall be interpreted in a manner consistent with the Clean Air Act and the regulations thereunder.

(b) The owner or operator or the designated representative of each affected source under section 405 of the Clean Air Act (42 U.S.C.A. 7651d) shall submit a permit application and compliance plan for the affected source to the Department within 120 days from notice by the Department to submit an application but no later than January 1, 1996, for sulfur dioxide, and no later than January 1, 1998, for NOx, that meets the requirements of this chapter, the Clean Air Act and the regulations thereunder.

(c) In the case of affected sources for which an application and plan are timely received, the permit application and the compliance plan, including amendments thereto, shall be binding on the owner or operator or the designated representative of the owner or operator and shall be enforceable as a permit for purposes of this section until a permit is issued by the Department.

(d) A permit issued under this section shall require the source to achieve compliance as soon as possible but no later than the date required by the Clean Air Act or the regulations thereunder for the source.

(e) At any time after the submission of a permit application and compliance plan, the applicant may submit a revised application and compliance plan. In considering a permit application and compliance plan under this section, the Department will coordinate with the Pennsylvania Public Utility Commission consistent with the requirements established by the EPA.

(f) In addition to the other requirements of this chapter, permits issued under this section shall prohibit the following:



**SECTION C. Site Level Requirements**

- (1) Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide that the owner or operator or designated representative holds for the unit.
  - (2) Exceeding applicable emission rates or standards, including ambient air quality standards.
  - (3) The use of an allowance prior to the year for which it is allocated.
  - (4) Contravention of other provisions of the permit.
- (g) Each permit issued to a source under Title IV of the Clean Air Act shall contain a condition prohibiting emissions exceeding any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations thereunder.
- (1) A permit revision will not be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, if the increases do not require a permit revision under another applicable requirement.
  - (2) A limit will not be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with another applicable requirement.
  - (3) An allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.

# 019 [25 Pa. Code §139.1]

**Sampling facilities.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

\*\*\* Permit Shield In Effect \*\*\*



SECTION D. Source Level Requirements

Source ID: 031

Source Name: PYROPOWER UNIT A

Source Capacity/Throughput: 560.000 MMBTU/HR

I. RESTRICTIONS.

Emission Restriction(s).

# 001 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2 from this combustion unit in excess of the rates set forth in the following table:

	Allowable Pounds SO2 Per 10 <sup>6</sup> Btu Heat Input
Thirty-day running average not to be exceeded at any time	3.7
Daily average not to be exceeded more than 2 days in any running 30-day period	4.0
Daily average maximum not to be exceeded at any time	4.8

# 002 [25 Pa. Code §123.41]

Limitations

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

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

# 003 [25 Pa. Code §123.46]

Monitoring requirements

(a) The owner or operator shall install, operate, and maintain continuous opacity monitoring devices in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for stationary sources). Results of opacity monitoring shall be submitted to the Department on a regular basis in compliance with the requirements of Chapter 139, Subchapter C.

(b) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system may not be implemented by a source due to physical plant limitations or to extreme economic reasons. The Department will require such an exempted source to fulfill alternative emission monitoring and reporting requirements.

(c) The Department may use the data from the monitoring devices or from the alternative monitoring systems required by this section to enforce the visible emission limitations defined in this article.

(d) Compliance with this section shall be obtained no later than 18 months after the effective date of the listing of any source identified in subsection (a). The Department may grant orders providing reasonable extension of time for sources that



## SECTION D. Source Level Requirements

have made good faith efforts to install, operate and maintain continuous monitoring devices but have been unable to complete such operations within the time period provided.

# 004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

In accordance with operating permit #OP-11-332A:

The maximum stack exhaust concentration (ammonia slip) shall not exceed 5ppm(v) of ammonia.

# 005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

As required in the special conditions of Operating Permit 11-000-332:

- a) Emissions of NO<sub>x</sub> (nitrogen oxides, expressed as NO<sub>2</sub>) from each boiler shall not exceed 0.30 pounds NO<sub>2</sub> per million BTU, based on a thirty (30) day rolling average.
- b) Emissions of NO<sub>x</sub> (nitrogen oxides, expressed as NO<sub>2</sub>) from the two CFB boilers shall not exceed a total of 1472 tons/yr in any 12 consecutive month.
- c) Emissions of NO<sub>x</sub> (nitrogen oxides, expressed as NO<sub>2</sub>) from each boiler shall not exceed 335.5 lbs/hr on a 24 - hour rolling average.

# 006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

- a) Emission of sulfur oxides, expressed as SO<sub>2</sub> from this boiler shall not exceed 556.0lbs/hr at any 24-hr rolling average period.
- b) Emission of sulfur oxides, expressed as SO<sub>2</sub> from this boiler shall not exceed 792.4lbs/hr at any 3-hr rolling average period.
- c) Emission of sulfur oxides, expressed as SO<sub>2</sub> from this boiler shall be reduced by 92% on a 30 day rolling average.

Compliance with these requirements will ensure compliance with applicable requirement of PA Code Title 25 Section 123.22.

# 007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Emission of particulate matter from this boiler stack shall not exceed 16.8lbs/hr on a 24-hr rolling average.

Compliance with this condition shall ensure compliance with PA Code Title 25 Section 231.11.

# 008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Emission of carbon monoxide from this boiler stack shall not exceed 83.9lbs/hr on a 24-hr rolling average.

# 009 [25 Pa. Code §145.10.]

[Authorization and responsibilities of the NO<sub>x</sub> authorized account representative.](#)

- (a) Except as provided under 145.11 (relating to alternate NO<sub>x</sub> authorized account representative), each NO<sub>x</sub> budget source, including all NO<sub>x</sub> budget units at the source, shall have only one NO<sub>x</sub> authorized account representative, with regard to all matters under the NO<sub>x</sub> Budget Trading Program concerning the source or any NO<sub>x</sub> budget unit at the source.
- (b) The NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source shall be selected by an agreement binding on the owners and operators of the source and all NO<sub>x</sub> budget units at the source.





## SECTION D. Source Level Requirements

(c) Upon receipt by the Department and the NOx Budget Administrator of a complete account certificate of representation under 145.13 (relating to account certificate of representation), the NOx authorized account representative of the source shall represent and, by his representations, actions, inactions or submissions, legally bind each owner and operator of the NOx budget source represented and each NOx budget unit at the source in all matters pertaining to the NOx Budget Trading Program, notwithstanding any agreement between the NOx authorized account representative and the owners and operators. The owners and operators shall be bound by any decision or order issued to the NOx authorized account representative by the Department, the Administrator or a court regarding the source or unit.

(d) A NOx Allowance Tracking System account will not be established for a NOx budget unit at a source, until the Department and the NOx Budget Administrator have received a complete account certificate of representation under 145.13 for a NOx authorized account representative of the source and the NOx budget units at the source.

(e) Document submission requirements are as follows:

(1) Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx budget source on behalf of which the submission is made. Each submission shall include the following certification statement by the NOx authorized account representative:

"I am authorized to make this submission on behalf of the owners and operators of the NOx budget sources or NOx budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

(2) The Department and NOx Budget Administrator will accept or act on a submission made on behalf of owner or operators of a NOx budget source or a NOx budget unit only if the submission has been made, signed and certified in accordance with paragraph (1).

# 010 [25 Pa. Code §145.30.]

[Compliance certification report.](#)

(a) Applicability and deadline. For each control period in which one or more NOx budget units at a source are subject to the NOx budget emissions limitation, the NOx authorized account representative of the source shall submit to the Department and the NOx Budget Administrator by November 30 of that year, a compliance certification report for the source covering all of the units.

(b) Contents of report. The NOx authorized account representative shall include in the compliance certification report under subsection (a) the following elements, in a format prescribed by the Department, concerning each unit at the source and subject to the NOx budget emissions limitation for the control period covered by the report:

(1) Identification of each NOx budget unit.

(2) At the NOx authorized account representative's option, the serial numbers of the NOx allowances that are to be deducted from each unit's compliance account under 145.54 (relating to compliance) for the control period.

(3) At the NOx authorized account representative's option, for units sharing a common stack and having NOx emissions that are not monitored separately or apportioned in accordance with 145.70-145.76 (relating to recordkeeping and reporting requirements), the percentage of allowances that is to be deducted from each unit's compliance account under 145.54(e).



## SECTION D. Source Level Requirements

(4) The compliance certification under subsection (c).

(c) Compliance certification. In the compliance certification report under subsection (a), the NOx authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NOx budget units at the source in compliance with the NOx Budget Trading Program, whether each NOx budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the NOx Budget Trading Program applicable to the unit, including the following:

(1) Whether the unit was operated in compliance with the NOx budget emissions limitation.

(2) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains the information necessary to attribute NOx emissions to the unit, in accordance with 145.70-145.76.

(3) Whether all the NOx emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with 145.70-145.76. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made.

(4) Whether the facts that form the basis for certification under 145.70-145.76 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under 145.70-145.76, if any, has changed.

(5) If a change is required to be reported under paragraph (4), specify the nature of the change, the reason for the change, when the change occurred and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

# 011 [25 Pa. Code §145.6]

Standard requirements.

(a) Monitoring requirements.

(1) The owners and operators and the NOx authorized account representative of each NOx budget source and each NOx budget unit at the source shall comply with the monitoring requirements of 145.70-145.76 (relating to recordkeeping and recording requirements).

(2) The emissions measurements recorded and reported in accordance with 145.70-145.76 shall be used to determine compliance by the unit with the NOx budget emissions limitation under subsection (c).

(b) NOx requirements.

(1) The owners and operators of each NOx budget source and each NOx budget unit at the source shall hold NOx allowances available for compliance deductions under 145.54 (relating to compliance), as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with 145.70-145.76 plus any amount necessary to account for actual heat input under 145.42(e) (relating to NOx allowance allocations) for the control period or to account for excess emissions for a prior control period under 145.54(d) or to account for withdrawal from the NOx Budget Trading Program, or a change in regulatory status, of a NOx budget opt-in unit under 145.86 or 145.87 (relating to opt-in source withdrawal from NOx Budget Trading Program; and opt-in source change in regulatory status).

(2) Each ton of NOx emitted in excess of the NOx budget emissions limitation shall constitute a separate violation of this



## SECTION D. Source Level Requirements

subchapter and the act.

(3) A NOx budget unit shall be subject to paragraph (1) starting on May 1, 2003, or the date on which the unit commences operation, whichever is later.

(4) NOx allowances shall be held in, deducted from or transferred among NOx Allowance Tracking System accounts in accordance with 145.40-145.43, 145.50-145.57, 145.60-145.62 and 145.80-145.88.

(5) A NOx allowance may not be deducted, to comply with paragraph (1), for a control period in a year prior to the year for which the NOx allowance was allocated.

(6) A NOx allowance allocated by the Department under the NOx Budget Trading Program is a limited authorization to emit 1 ton of NOx in accordance with the NOx Budget Trading Program. No provision of the NOx Budget Trading Program or an exemption under 145.4(b) or 145.5 (relating to applicability; and retired unit exemption) and no provision of law limit the authority of the United States or the Department to terminate or limit the authorization.

(7) A NOx allowance allocated by the Department under the NOx Budget Trading Program does not constitute a property right.

(c) Excess emissions. The owners and operators of a NOx budget unit that has excess emissions in any control period shall do the following:

(1) Surrender the NOx allowances required for deduction under 145.54(d)(1).

(2) Pay any fine, penalty or assessment or comply with any other remedy imposed under 145.54(d)(3) or the act.

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of the NOx budget source and each NOx budget unit at the source shall maintain at a central location and provide upon request by the Department or the NOx Budget Administrator the following documents for 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Department or the Administrator.

(i) The account certificate of representation for the NOx authorized account representative for the source and each NOx budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 145.13 (relating to account certificate of representation). The certificate and documents shall be retained beyond the 5-year period until the documents are superseded because of the submission of a new account certificate of representation changing the NOx authorized account representative.

(ii) The emissions monitoring information, in accordance with 145.70-145.76. To the extent that 145.70-145.76 provides for a 3-year period for recordkeeping, the 3-year period applies.

(iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the NOx Budget Trading Program.

(iv) Copies of the documents used to complete any submission under the NOx Budget Trading Program or to demonstrate compliance with the NOx Budget Trading Program.

(2) The NOx authorized account representative of a NOx budget source and each NOx budget unit at the source shall submit the reports and compliance certifications required under the NOx Budget Trading Program, including those under 145.30, 145.31, 145.70-145.76 and 145.80-145.88.



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## (e) Liability.

(1) A permit revision may not excuse any violation of the requirements of the NOx Budget Trading Program that occurs prior to the date that the revision takes effect.

(2) Each NOx budget source and each NOx budget unit shall meet the requirements of the NOx Budget Trading Program.

(3) Any provision of the NOx Budget Trading Program that applies to a NOx budget source (including a provision applicable to the NOx authorized account representative of a NOx budget source) shall also apply to the owners and operators of the source and of the NOx budget units at the source.

(4) Any provision of the NOx Budget Trading Program that applies to a NOx budget unit (including a provision applicable to the NOx authorized account representative of a NOx budget unit) shall also apply to the owners and operators of the unit. Except with regard to the requirements applicable to units with a common stack under 145.70-145.76 the owners and operators and the NOx authorized account representative of one NOx budget unit is not liable for any violation by any other NOx budget unit of which they are not owners or operators or the NOx authorized account representative and that is located at a source of which they are not owners or operators or the NOx authorized account representative.

(f) Effect on other authorities. No provision of the NOx Budget Trading Program or an exemption under 145.4(b) or 145.5 shall be construed as exempting or excluding the owners and operators and the NOx authorized account representative of a NOx budget source or NOx budget unit from compliance with any other provision of the regulations promulgated under the CAA or the act.

# 012 [25 Pa. Code §145.74.]

[Recordkeeping and reporting.](#)

## (a) General provisions.

(1) In addition to the requirements of Chapter 127 (relating to construction, modification, reactivation and operation of sources), the NOx authorized account representative shall comply with the recordkeeping and reporting requirements in this section and with the requirements of 145.10(e) (relating to authorization and responsibilities of the NOx authorized account representative).

(2) If the NOx authorized account representative for a NOx budget unit subject to an acid rain emission limitation who signed and certified any submission that is made under 40 CFR Part 75, Subpart F or G (relating to recordkeeping requirements; and reporting requirements) and which includes data and information required under this subchapter or 40 CFR Part 75, Subpart H (relating to NOx mass emissions provisions) is not the same person as the designated representative or the alternative designated representative for the unit under 40 CFR Part 72 (relating to permits regulation), the submission shall also be signed by the designated representative or the alternative designated representative.

## (b) Monitoring plans.

(1) The owner or operator of a unit subject to an acid rain emissions limitation shall comply with 40 CFR 75.62 (relating to monitoring plan), except that the monitoring plan shall also include all of the information required by 40 CFR Part 75, Subpart H.

(2) The owner or operator of a unit that is not subject to an acid rain emissions limitation shall comply with requirements of 40 CFR 75.62, except that the monitoring plan is only required to include the information required by 40 CFR Part 75, Subpart H.

(c) Certification applications. The NOx authorized account representative shall submit an application to the Department



## SECTION D. Source Level Requirements

within 45 days after completing all initial certification or recertification tests required under 145.71 (relating to initial certification and recertification procedures) including the information required under 40 CFR Part 75, Subpart H.

(d) Quarterly reports. The NO<sub>x</sub> authorized account representative shall submit quarterly reports, as follows:

(1) NO<sub>x</sub> budget units subject to an acid rain emission limitation shall meet the annual reporting requirements of this subchapter. The NO<sub>x</sub> authorized account representative shall submit a quarterly report for each calendar quarter beginning with one of the following:

(i) For units that elect to comply with the early reduction credit provisions under 145.43 (relating to compliance supplement pool), the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) or (c). Data shall be recorded and reported from the date and hour corresponding to the date and hour of provisional certification.

(ii) For units commencing operation on or before May 1, 2002, and that is not subject to subparagraph (i), the earlier of the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) or (c) or, if the certification tests are not completed by May 1, 2002, the partial calendar quarter from May 1, 2002 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of provisional certification or the first hour on May 1, 2002.

(iii) For a unit that commences operation after May 1, 2002, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(2) If a NO<sub>x</sub> budget unit is not subject to an acid rain emission limitation, the NO<sub>x</sub> authorized account representative shall do either of the following:

(i) Meet all the requirements of 40 CFR Part 75 related to monitoring and reporting NO<sub>x</sub> mass emissions during the entire year and meet the reporting deadlines specified in paragraph (1).

(ii) Submit quarterly reports covering the period May 1-September 30 of each year and including the data described in 40 CFR 75.74(c)(6) (relating to annual and ozone monitoring and reporting requirement). The NO<sub>x</sub> authorized account representative shall submit a quarterly report for each calendar quarter beginning with:

(A) For units that intend to apply or apply for early reduction credits under 145.43, the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) and (c). Data shall be recorded and reported from the date and hour of provisional certification.

(B) For units commencing operation on or before May 1, 2002, and are not subject to subparagraph (i), the calendar quarter covering May 1 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under 145.71(b)(3)(iii) or (c) or the first hour of May 1, 2002.

(C) For units that commence operation after May 1, 2002, and during a control period, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(D) For units that commence operation after May 1, 2002, and not during a control period, the calendar quarter covering the first control period after the unit commences operation. Data shall be reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under 145.71(b)(3)(iii) or (c) or the first hour of May 1 of the first control period after the unit commences operation.

(3) The NO<sub>x</sub> authorized account representative shall submit each quarterly report to the Department and NO<sub>x</sub> Budget Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be



## SECTION D. Source Level Requirements

submitted in the manner specified in 40 CFR Part 75, Subpart H and 40 CFR 75.64 (relating to quarterly reports).

(i) For units subject to an acid rain emissions limitation, quarterly reports shall include all of the data and information required in 40 CFR Part 75, Subpart H for each NO<sub>x</sub> budget unit (or group of units using a common stack) as well as information required in 40 CFR Part 75, Subpart G (relating to reporting requirements).

(ii) For units not subject to an acid rain emissions limitation, quarterly reports are only required to include the data and information required in 40 CFR Part 75, Subpart H for each NO<sub>x</sub> budget unit (or group of units using a common stack).

(4) The NO<sub>x</sub> authorized account representative shall submit to the Department and NO<sub>x</sub> Budget Administrator a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that the following conditions have been met:

(i) The monitoring data submitted were recorded in accordance with the applicable requirements of this subchapter and 40 CFR Part 75, including the quality assurance procedures and specifications.

(ii) For a unit with add-on NO<sub>x</sub> emission controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1) (relating to units with add-on emission controls), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under 40 CFR Part 75, Appendix B and the substitute values do not systematically underestimate NO<sub>x</sub> emissions.

(iii) For a unit that is reporting on a control period basis under subparagraph (ii), the NO<sub>x</sub> emission rate and NO<sub>x</sub> concentration values substituted for missing data under 40 CFR Part 75, Subpart D (relating to missing data substitution procedures) are calculated using only values from a control period and do not systematically underestimate NO<sub>x</sub> emissions.

# 013 [25 Pa. Code §145.90.]

### Emission reduction credit provisions.

(a) NO<sub>x</sub> budget units may create, transfer and use emission reduction credits (ERCs) in accordance with Chapter 127 (relating to construction, modification, reactivation and operation of sources) and this section. ERCs may not be used to satisfy NO<sub>x</sub> allowance requirements.

(b) A NO<sub>x</sub> budget unit may transfer NO<sub>x</sub> ERCs to a NO<sub>x</sub> budget unit if the new or modified NO<sub>x</sub> budget unit's ozone season (May 1 through September 30) allowable emissions do not exceed the ozone season portion of the baseline emissions which were used to generate the NO<sub>x</sub> ERCs.

(c) A NO<sub>x</sub> budget unit may transfer NO<sub>x</sub> ERCs to a non-NO<sub>x</sub> budget unit under the following conditions:

(1) The non-NO<sub>x</sub> budget unit's ozone season (May 1-September 30) allowable emissions may not exceed the ozone season portion of the baseline emissions which were used to generate the NO<sub>x</sub> ERCs.

(2) The NO<sub>x</sub> allowance tracking system account for NO<sub>x</sub> budget units which generated ERCs transferred to non-NO<sub>x</sub> budget units, including prior to the date of publication in the Pennsylvania Bulletin, shall have a corresponding number of NO<sub>x</sub> allowances retired that reflect the transfer of emissions regulated under this subchapter to the non-NO<sub>x</sub> budget units. The amount of annual NO<sub>x</sub> allowances deducted shall be equivalent to that portion of the non-NO<sub>x</sub> budget unit's NO<sub>x</sub> control period allowable emissions which were provided for by the NO<sub>x</sub> ERCs from the NO<sub>x</sub> budget unit.

(3) Allocations for NO<sub>x</sub> allowance control periods following 2002 to the NO<sub>x</sub> ERC generating source may not include the allowances identified in paragraph (2).



## SECTION D. Source Level Requirements

### II. TESTING REQUIREMENTS.

# 014 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

Compliance with the allowable particulate emission rate shall be determined by a certified stack test conducted at least once during the term of the permit.

Compliance with the ammonia emission rate of 5 ppm(v) shall be determined by a certified stack test conducted at least once during the term of the permit.

### III. MONITORING REQUIREMENTS.

# 015 [25 Pa. Code §123.25]

#### Monitoring requirements

(a) The owner or operator shall install, operate and maintain continuous SO<sub>2</sub> monitoring systems in compliance with Chapter 139 Subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with Chapter 139, Subchapter C.

(b) Continuous SO<sub>2</sub> monitoring systems installed under this condition shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

(c) The following are alternative monitoring systems:

(1) The Department will allow sources specified in subsection (a)(1) to utilize sulfur-in-fuel sampling programs in lieu of the requirements of subsection (b). These programs shall meet the requirements of Chapter 139, Subchapter C.

(2) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system cannot be implemented by a source due to physical plant limitations or to extreme economic reasons. The Department will require an exempted source to fulfill alternative emission monitoring and reporting requirements.

(d) The Department may use the data from the SO<sub>2</sub> monitoring devices or from the alternative monitoring systems required by this section to enforce the emission limitations for SO<sub>2</sub> defined in this article.

(e) Compliance with this section shall be obtained no later than 18 months after the effective date of the listing of any source identified in subsection (a). The Department may grant orders providing reasonable extension of time for sources that have made good faith efforts to install, operate and maintain continuous monitoring devices, but that have been unable to complete the operations within the time period provided.

(f) The Department may use the data from the SO<sub>2</sub> monitoring systems or from the alternative monitoring systems required by this section to determine compliance with the applicable emission limitations for SO<sub>2</sub> established in this article.

# 016 [25 Pa. Code §123.51]

#### Monitoring requirements

(a) The owner or operator shall install, operate and maintain continuous nitrogen oxides monitoring systems and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for statutory sources).

(b) Sources subject to this condition shall submit results on a regular schedule and in a format acceptable to the Department and in compliance with Chapter 139, Subchapter C.

**SECTION D. Source Level Requirements**

(c) Continuous nitrogen oxides monitoring systems installed under the requirements of this section shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

(d) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system cannot be implemented by a source due to physical plant limitations or to extreme economic reasons. A source exempted from the requirements of subsection (b) shall satisfy alternative emission monitoring and reporting requirements proposed by the source and approved by the Department which provide oxides emission data that is representative of actual emissions of the source.

(e) Sources subject to this section shall comply by October 20, 1993, unless the source becomes subject to the requirements later than October 20, 1990. For sources which become subject to the requirements after October 20, 1990, the source has 36 months from the date the source becomes subject to this section. The Department may issue orders providing a reasonable extension of time for sources that have made good faith efforts to install, operate and maintain continuous monitoring devices, but that have been unable to complete the operations within the time period provided.

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 017 [25 Pa. Code §127.511]

**Monitoring and related recordkeeping and reporting requirements.**

Compliance Assurance Monitoring Plan developed in accordance with 40 CFR 64:

1. Permittee shall continue to maintain and operate continuous opacity monitors (COMS) in the baghouse exhaust stacks from both CFB units whenever the units are operating. The COMS shall comply with the monitoring requirements of 40 CFR 60 subpart Da. (40 CFR Part 64) Federally Enforceable Through Title V Permit
2. Permittee shall use the visible emissions information obtained from the COMS to indicate compliance with the allowable particulate limit for the CFB units. The baghouse visible emissions, as monitored by the COMS in the boiler stacks, shall not exceed 3.80% on a 24 hour rolling average while the boiler is operating. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence, as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
3. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit.
4. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit.





## SECTION D. Source Level Requirements

5. If DEP or EPA determines that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40-CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit

\*\*\* Permit Shield in Effect. \*\*\*



SECTION D. Source Level Requirements

Source ID: 032

Source Name: PYROPOWER UNIT B

Source Capacity/Throughput: 560.000 MMBTU/HR

I. RESTRICTIONS.

Emission Restriction(s).

# 001 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2 from this combustion unit in excess of the rates set forth in the following table:

	Allowable Pounds SO2 Per 10 <sup>6</sup> Btu Heat Input
Thirty-day running average not to be exceeded at any time	3.7
Daily average not to be exceeded more than 2 days in any running 30-day period	4.0
Daily average maximum not to be exceeded at any time	4.8

# 002 [25 Pa. Code §123.41]

Limitations

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

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

# 003 [25 Pa. Code §123.46]

Monitoring requirements

(a) The owner or operator shall install, operate, and maintain continuous opacity monitoring devices in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for stationary sources). Results of opacity monitoring shall be submitted to the Department on a regular basis in compliance with the requirements of Chapter 139, Subchapter C.

(b) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system may not be implemented by a source due to physical plant limitations or to extreme economic reasons. The Department will require such an exempted source to fulfill alternative emission monitoring and reporting requirements.

(c) The Department may use the data from the monitoring devices or from the alternative monitoring systems required by this section to enforce the visible emission limitations defined in this article.

(d) Compliance with this section shall be obtained no later than 18 months after the effective date of the listing of any source identified in subsection (a). The Department may grant orders providing reasonable extension of time for sources that



## SECTION D. Source Level Requirements

have made good faith efforts to install, operate and maintain continuous monitoring devices but have been unable to complete such operations within the time period provided.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

In accordance with operating permit #OP-11-332A:

The maximum stack exhaust concentration (ammonia slip) shall not exceed 5ppm(v) of ammonia.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

As required in the special conditions of Operating Permit 11-000-332:

- a) Emissions of NO<sub>x</sub> (nitrogen oxides, expressed as NO<sub>2</sub>) from each boiler shall not exceed 0.30 pounds NO<sub>2</sub> per million BTU, based on a thirty (30) day rolling average.
- b) Emissions of NO<sub>x</sub> (nitrogen oxides, expressed as NO<sub>2</sub>) from the two CFB boilers shall not exceed a total of 1472 tons/yr in any 12 consecutive month.
- c) Emissions of NO<sub>x</sub> (nitrogen oxides, expressed as NO<sub>2</sub>) from each boiler shall not exceed 335.5 lbs/hr on a 24 - hour rolling average.

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

- a) Emission of sulfur oxides, expressed as SO<sub>2</sub> from this boiler shall not exceed 556.0lbs/hr at any 24-hr rolling average period.
- b) Emission of sulfur oxides, expressed as SO<sub>2</sub> from this boiler shall not exceed 792.4lbs/hr at any 3-hr rolling average period.
- c) Emission of sulfur oxides, expressed as SO<sub>2</sub> from this boiler shall be reduced by 92% on a 30 day rolling average.

Compliance with these requirements will ensure compliance with applicable requirement of PA Code Title 25 Section 123.22.

# 007 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Emission of particulate matter from this boiler stack shall not exceed 16.8lbs/hr on a 24-hr rolling average.

Compliance with this condition shall ensure compliance with PA Code Title 25 Section 231.11.

# 008 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Emission of carbon monoxide from this boiler stack shall not exceed 83.9lbs/hr on a 24-hr rolling average.

# 009 [25 Pa. Code §145.10.]

**Authorization and responsibilities of the NO<sub>x</sub> authorized account representative.**

- (a) Except as provided under 145.11 (relating to alternate NO<sub>x</sub> authorized account representative), each NO<sub>x</sub> budget source, including all NO<sub>x</sub> budget units at the source, shall have only one NO<sub>x</sub> authorized account representative, with regard to all matters under the NO<sub>x</sub> Budget Trading Program concerning the source or any NO<sub>x</sub> budget unit at the source.
- (b) The NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source shall be selected by an agreement binding on the owners and operators of the source and all NO<sub>x</sub> budget units at the source.



## SECTION D. Source Level Requirements

(c) Upon receipt by the Department and the NOx Budget Administrator of a complete account certificate of representation under 145.13 (relating to account certificate of representation), the NOx authorized account representative of the source shall represent and, by his representations, actions, inactions or submissions, legally bind each owner and operator of the NOx budget source represented and each NOx budget unit at the source in all matters pertaining to the NOx Budget Trading Program, notwithstanding any agreement between the NOx authorized account representative and the owners and operators. The owners and operators shall be bound by any decision or order issued to the NOx authorized account representative by the Department, the Administrator or a court regarding the source or unit.

(d) A NOx Allowance Tracking System account will not be established for a NOx budget unit at a source, until the Department and the NOx Budget Administrator have received a complete account certificate of representation under 145.13 for a NOx authorized account representative of the source and the NOx budget units at the source.

(e) Document submission requirements are as follows:

(1) Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx budget source on behalf of which the submission is made. Each submission shall include the following certification statement by the NOx authorized account representative:

"I am authorized to make this submission on behalf of the owners and operators of the NOx budget sources or NOx budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

(2) The Department and NOx Budget Administrator will accept or act on a submission made on behalf of owner or operators of a NOx budget source or a NOx budget unit only if the submission has been made, signed and certified in accordance with paragraph (1).

# 010 [25 Pa. Code §145.30.]

[Compliance certification report.](#)

(a) Applicability and deadline. For each control period in which one or more NOx budget units at a source are subject to the NOx budget emissions limitation, the NOx authorized account representative of the source shall submit to the Department and the NOx Budget Administrator by November 30 of that year, a compliance certification report for the source covering all of the units.

(b) Contents of report. The NOx authorized account representative shall include in the compliance certification report under subsection (a) the following elements, in a format prescribed by the Department, concerning each unit at the source and subject to the NOx budget emissions limitation for the control period covered by the report:

(1) Identification of each NOx budget unit.

(2) At the NOx authorized account representative's option, the serial numbers of the NOx allowances that are to be deducted from each unit's compliance account under 145.54 (relating to compliance) for the control period.

(3) At the NOx authorized account representative's option, for units sharing a common stack and having NOx emissions that are not monitored separately or apportioned in accordance with 145.70-145.76 (relating to recordkeeping and reporting requirements), the percentage of allowances that is to be deducted from each unit's compliance account under 145.54(e).



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(4) The compliance certification under subsection (c).

(c) Compliance certification. In the compliance certification report under subsection (a), the NOx authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NOx budget units at the source in compliance with the NOx Budget Trading Program, whether each NOx budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the NOx Budget Trading Program applicable to the unit, including the following:

(1) Whether the unit was operated in compliance with the NOx budget emissions limitation.

(2) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains the information necessary to attribute NOx emissions to the unit, in accordance with 145.70-145.76.

(3) Whether all the NOx emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with 145.70-145.76. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made.

(4) Whether the facts that form the basis for certification under 145.70-145.76 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under 145.70-145.76, if any, has changed.

(5) If a change is required to be reported under paragraph (4), specify the nature of the change, the reason for the change, when the change occurred and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

# 011 [25 Pa. Code §145.6]

Standard requirements.

(a) Monitoring requirements.

(1) The owners and operators and the NOx authorized account representative of each NOx budget source and each NOx budget unit at the source shall comply with the monitoring requirements of 145.70-145.76 (relating to recordkeeping and recording requirements).

(2) The emissions measurements recorded and reported in accordance with 145.70-145.76 shall be used to determine compliance by the unit with the NOx budget emissions limitation under subsection (c).

(b) NOx requirements.

(1) The owners and operators of each NOx budget source and each NOx budget unit at the source shall hold NOx allowances available for compliance deductions under 145.54 (relating to compliance), as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with 145.70-145.76 plus any amount necessary to account for actual heat input under 145.42(e) (relating to NOx allowance allocations) for the control period or to account for excess emissions for a prior control period under 145.54(d) or to account for withdrawal from the NOx Budget Trading Program, or a change in regulatory status, of a NOx budget opt-in unit under 145.86 or 145.87 (relating to opt-in source withdrawal from NOx Budget Trading Program; and opt-in source change in regulatory status).

(2) Each ton of NOx emitted in excess of the NOx budget emissions limitation shall constitute a separate violation of this



## SECTION D. Source Level Requirements

subchapter and the act.

(3) A NOx budget unit shall be subject to paragraph (1) starting on May 1, 2003, or the date on which the unit commences operation, whichever is later.

(4) NOx allowances shall be held in, deducted from or transferred among NOx Allowance Tracking System accounts in accordance with 145.40-145.43, 145.50-145.57, 145.60-145.62 and 145.80-145.88.

(5) A NOx allowance may not be deducted, to comply with paragraph (1), for a control period in a year prior to the year for which the NOx allowance was allocated.

(6) A NOx allowance allocated by the Department under the NOx Budget Trading Program is a limited authorization to emit 1 ton of NOx in accordance with the NOx Budget Trading Program. No provision of the NOx Budget Trading Program or an exemption under 145.4(b) or 145.5 (relating to applicability; and retired unit exemption) and no provision of law limit the authority of the United States or the Department to terminate or limit the authorization.

(7) A NOx allowance allocated by the Department under the NOx Budget Trading Program does not constitute a property right.

(c) Excess emissions. The owners and operators of a NOx budget unit that has excess emissions in any control period shall do the following:

(1) Surrender the NOx allowances required for deduction under 145.54(d)(1).

(2) Pay any fine, penalty or assessment or comply with any other remedy imposed under 145.54(d)(3) or the act.

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of the NOx budget source and each NOx budget unit at the source shall maintain at a central location and provide upon request by the Department or the NOx Budget Administrator the following documents for 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Department or the Administrator.

(i) The account certificate of representation for the NOx authorized account representative for the source and each NOx budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 145.13 (relating to account certificate of representation). The certificate and documents shall be retained beyond the 5-year period until the documents are superseded because of the submission of a new account certificate of representation changing the NOx authorized account representative.

(ii) The emissions monitoring information, in accordance with 145.70-145.76. To the extent that 145.70-145.76 provides for a 3-year period for recordkeeping, the 3-year period applies.

(iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the NOx Budget Trading Program.

(iv) Copies of the documents used to complete any submission under the NOx Budget Trading Program or to demonstrate compliance with the NOx Budget Trading Program.

(2) The NOx authorized account representative of a NOx budget source and each NOx budget unit at the source shall submit the reports and compliance certifications required under the NOx Budget Trading Program, including those under 145.30, 145.31, 145.70-145.76 and 145.80-145.88.



## SECTION D. Source Level Requirements

## (e) Liability.

(1) A permit revision may not excuse any violation of the requirements of the NOx Budget Trading Program that occurs prior to the date that the revision takes effect.

(2) Each NOx budget source and each NOx budget unit shall meet the requirements of the NOx Budget Trading Program.

(3) Any provision of the NOx Budget Trading Program that applies to a NOx budget source (including a provision applicable to the NOx authorized account representative of a NOx budget source) shall also apply to the owners and operators of the source and of the NOx budget units at the source.

(4) Any provision of the NOx Budget Trading Program that applies to a NOx budget unit (including a provision applicable to the NOx authorized account representative of a NOx budget unit) shall also apply to the owners and operators of the unit. Except with regard to the requirements applicable to units with a common stack under 145.70-145.76 the owners and operators and the NOx authorized account representative of one NOx budget unit is not liable for any violation by any other NOx budget unit of which they are not owners or operators or the NOx authorized account representative and that is located at a source of which they are not owners or operators or the NOx authorized account representative.

(f) Effect on other authorities. No provision of the NOx Budget Trading Program or an exemption under 145.4(b) or 145.5 shall be construed as exempting or excluding the owners and operators and the NOx authorized account representative of a NOx budget source or NOx budget unit from compliance with any other provision of the regulations promulgated under the CAA or the act.

# 012 [25 Pa. Code §145.74.]

[Recordkeeping and reporting.](#)

## (a) General provisions.

(1) In addition to the requirements of Chapter 127 (relating to construction, modification, reactivation and operation of sources), the NOx authorized account representative shall comply with the recordkeeping and reporting requirements in this section and with the requirements of 145.10(e) (relating to authorization and responsibilities of the NOx authorized account representative).

(2) If the NOx authorized account representative for a NOx budget unit subject to an acid rain emission limitation who signed and certified any submission that is made under 40 CFR Part 75, Subpart F or G (relating to recordkeeping requirements; and reporting requirements) and which includes data and information required under this subchapter or 40 CFR Part 75, Subpart H (relating to NOx mass emissions provisions) is not the same person as the designated representative or the alternative designated representative for the unit under 40 CFR Part 72 (relating to permits regulation), the submission shall also be signed by the designated representative or the alternative designated representative.

## (b) Monitoring plans.

(1) The owner or operator of a unit subject to an acid rain emissions limitation shall comply with 40 CFR 75.62 (relating to monitoring plan), except that the monitoring plan shall also include all of the information required by 40 CFR Part 75, Subpart H.

(2) The owner or operator of a unit that is not subject to an acid rain emissions limitation shall comply with requirements of 40 CFR 75.62, except that the monitoring plan is only required to include the information required by 40 CFR Part 75, Subpart H.

(c) Certification applications. The NOx authorized account representative shall submit an application to the Department



## SECTION D. Source Level Requirements

within 45 days after completing all initial certification or recertification tests required under 145.71 (relating to initial certification and recertification procedures) including the information required under 40 CFR Part 75, Subpart H.

(d) Quarterly reports. The NO<sub>x</sub> authorized account representative shall submit quarterly reports, as follows:

(1) NO<sub>x</sub> budget units subject to an acid rain emission limitation shall meet the annual reporting requirements of this subchapter. The NO<sub>x</sub> authorized account representative shall submit a quarterly report for each calendar quarter beginning with one of the following:

(i) For units that elect to comply with the early reduction credit provisions under 145.43 (relating to compliance supplement pool), the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) or (c). Data shall be recorded and reported from the date and hour corresponding to the date and hour of provisional certification.

(ii) For units commencing operation on or before May 1, 2002, and that is not subject to subparagraph (i), the earlier of the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) or (c) or, if the certification tests are not completed by May 1, 2002, the partial calendar quarter from May 1, 2002 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of provisional certification or the first hour on May 1, 2002.

(iii) For a unit that commences operation after May 1, 2002, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(2) If a NO<sub>x</sub> budget unit is not subject to an acid rain emission limitation, the NO<sub>x</sub> authorized account representative shall do either of the following:

(i) Meet all the requirements of 40 CFR Part 75 related to monitoring and reporting NO<sub>x</sub> mass emissions during the entire year and meet the reporting deadlines specified in paragraph (1).

(ii) Submit quarterly reports covering the period May 1-September 30 of each year and including the data described in 40 CFR 75.74(c)(6) (relating to annual and ozone monitoring and reporting requirement). The NO<sub>x</sub> authorized account representative shall submit a quarterly report for each calendar quarter beginning with:

(A) For units that intend to apply or apply for early reduction credits under 145.43, the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) and (c). Data shall be recorded and reported from the date and hour of provisional certification.

(B) For units commencing operation on or before May 1, 2002, and are not subject to subparagraph (i), the calendar quarter covering May 1 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under 145.71(b)(3)(iii) or (c) or the first hour of May 1, 2002.

(C) For units that commence operation after May 1, 2002, and during a control period, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(D) For units that commence operation after May 1, 2002, and not during a control period, the calendar quarter covering the first control period after the unit commences operation. Data shall be reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under 145.71(b)(3)(iii) or (c) or the first hour of May 1 of the first control period after the unit commences operation.

(3) The NO<sub>x</sub> authorized account representative shall submit each quarterly report to the Department and NO<sub>x</sub> Budget Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be





## SECTION D. Source Level Requirements

submitted in the manner specified in 40 CFR Part 75, Subpart H and 40 CFR 75.64 (relating to quarterly reports).

(i) For units subject to an acid rain emissions limitation, quarterly reports shall include all of the data and information required in 40 CFR Part 75, Subpart H for each NO<sub>x</sub> budget unit (or group of units using a common stack) as well as information required in 40 CFR Part 75, Subpart G (relating to reporting requirements).

(ii) For units not subject to an acid rain emissions limitation, quarterly reports are only required to include the data and information required in 40 CFR Part 75, Subpart H for each NO<sub>x</sub> budget unit (or group of units using a common stack).

(4) The NO<sub>x</sub> authorized account representative shall submit to the Department and NO<sub>x</sub> Budget Administrator a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that the following conditions have been met:

(i) The monitoring data submitted were recorded in accordance with the applicable requirements of this subchapter and 40 CFR Part 75, including the quality assurance procedures and specifications.

(ii) For a unit with add-on NO<sub>x</sub> emission controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1) (relating to units with add-on emission controls), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under 40 CFR Part 75, Appendix B and the substitute values do not systematically underestimate NO<sub>x</sub> emissions.

(iii) For a unit that is reporting on a control period basis under subparagraph (ii), the NO<sub>x</sub> emission rate and NO<sub>x</sub> concentration values substituted for missing data under 40 CFR Part 75, Subpart D (relating to missing data substitution procedures) are calculated using only values from a control period and do not systematically underestimate NO<sub>x</sub> emissions.

# 013 [25 Pa. Code §145.90.]

### Emission reduction credit provisions.

(a) NO<sub>x</sub> budget units may create, transfer and use emission reduction credits (ERCs) in accordance with Chapter 127 (relating to construction, modification, reactivation and operation of sources) and this section. ERCs may not be used to satisfy NO<sub>x</sub> allowance requirements.

(b) A NO<sub>x</sub> budget unit may transfer NO<sub>x</sub> ERCs to a NO<sub>x</sub> budget unit if the new or modified NO<sub>x</sub> budget unit's ozone season (May 1 through September 30) allowable emissions do not exceed the ozone season portion of the baseline emissions which were used to generate the NO<sub>x</sub> ERCs.

(c) A NO<sub>x</sub> budget unit may transfer NO<sub>x</sub> ERCs to a non-NO<sub>x</sub> budget unit under the following conditions:

(1) The non-NO<sub>x</sub> budget unit's ozone season (May 1-September 30) allowable emissions may not exceed the ozone season portion of the baseline emissions which were used to generate the NO<sub>x</sub> ERCs.

(2) The NO<sub>x</sub> allowance tracking system account for NO<sub>x</sub> budget units which generated ERCs transferred to non-NO<sub>x</sub> budget units, including prior to the date of publication in the Pennsylvania Bulletin, shall have a corresponding number of NO<sub>x</sub> allowances retired that reflect the transfer of emissions regulated under this subchapter to the non-NO<sub>x</sub> budget units. The amount of annual NO<sub>x</sub> allowances deducted shall be equivalent to that portion of the non-NO<sub>x</sub> budget unit's NO<sub>x</sub> control period allowable emissions which were provided for by the NO<sub>x</sub> ERCs from the NO<sub>x</sub> budget unit.

(3) Allocations for NO<sub>x</sub> allowance control periods following 2002 to the NO<sub>x</sub> ERC generating source may not include the allowances identified in paragraph (2).



## SECTION D. Source Level Requirements

### II. TESTING REQUIREMENTS.

# 014 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

Compliance with the allowable particulate emission rate shall be determined by a certified stack test conducted at least once during the term of the permit.

Compliance with the ammonia emission rate of 5 ppm(v) shall be determined by a certified stack test conducted at least once during the term of the permit.

### III. MONITORING REQUIREMENTS.

# 015 [25 Pa. Code §123.25]

#### Monitoring requirements

(a) The owner or operator shall install, operate and maintain continuous SO<sub>2</sub> monitoring systems in compliance with Chapter 139 Subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with Chapter 139, Subchapter C.

(b) Continuous SO<sub>2</sub> monitoring systems installed under this condition shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

(c) The following are alternative monitoring systems:

(1) The Department will allow sources specified in subsection (a)(1) to utilize sulfur-in-fuel sampling programs in lieu of the requirements of subsection (b). These programs shall meet the requirements of Chapter 139, Subchapter C.

(2) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system cannot be implemented by a source due to physical plant limitations or to extreme economic reasons. The Department will require an exempted source to fulfill alternative emission monitoring and reporting requirements.

(d) The Department may use the data from the SO<sub>2</sub> monitoring devices or from the alternative monitoring systems required by this section to enforce the emission limitations for SO<sub>2</sub> defined in this article.

(e) Compliance with this section shall be obtained no later than 18 months after the effective date of the listing of any source identified in subsection (a). The Department may grant orders providing reasonable extension of time for sources that have made good faith efforts to install, operate and maintain continuous monitoring devices, but that have been unable to complete the operations within the time period provided.

(f) The Department may use the data from the SO<sub>2</sub> monitoring systems or from the alternative monitoring systems required by this section to determine compliance with the applicable emission limitations for SO<sub>2</sub> established in this article.

# 016 [25 Pa. Code §123.51]

#### Monitoring requirements

(a) The owner or operator shall install, operate and maintain continuous nitrogen oxides monitoring systems and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for statutory sources).

(b) Sources subject to this condition shall submit results on a regular schedule and in a format acceptable to the Department and in compliance with Chapter 139, Subchapter C.



## SECTION D. Source Level Requirements

(c) Continuous nitrogen oxides monitoring systems installed under the requirements of this section shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

(d) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system cannot be implemented by a source due to physical plant limitations or to extreme economic reasons. A source exempted from the requirements of subsection (b) shall satisfy alternative emission monitoring and reporting requirements proposed by the source and approved by the Department which provide oxides emission data that is representative of actual emissions of the source.

(e) Sources subject to this section shall comply by October 20, 1993, unless the source becomes subject to the requirements later than October 20, 1990. For sources which become subject to the requirements after October 20, 1990, the source has 36 months from the date the source becomes subject to this section. The Department may issue orders providing a reasonable extension of time for sources that have made good faith efforts to install, operate and maintain continuous monitoring devices, but that have been unable to complete the operations within the time period provided.

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

# 017 [25 Pa. Code §123.115]

#### Initial NO<sub>x</sub> allowance NO<sub>x</sub> allocations.

(a) This source is contained in Appendix E and is, therefore, subject to the requirements of 123.101-123.114, 123.116-123.120 and this section. This source is allocated 212 NO<sub>x</sub> allowances for the 1999-2002 NO<sub>x</sub> allowance control period as listed in Appendix A. Except as provided in 123.120 (relating to audit), if no allocation is specified for the NO<sub>x</sub> allowance control period beyond 2002, these current allocations continue indefinitely or until modified.

# 018 [25 Pa. Code §127.511]

#### Monitoring and related recordkeeping and reporting requirements.

Compliance Assurance Monitoring Plan developed in accordance with 40 CFR 64:

1. Permittee shall continue to maintain and operate continuous opacity monitors (COMS) in the baghouse exhaust stacks from both CFB units whenever the units are operating. The COMS shall comply with the monitoring requirements of 40 CFR 60 subpart Da. (40 CFR Part 64) Federally Enforceable Through Title V Permit
2. Permittee shall use the visible emissions information obtained from the COMS to indicate compliance with the allowable particulate limit for the CFB units. The baghouse visible emissions, as monitored by the COMS in the boiler stacks, shall not exceed 3.80% on a 24 hour rolling average while the boiler is operating. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent

## SECTION D. Source Level Requirements

recurrence, as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit

3. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit.

4. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit.

5. If DEP or EPA determines that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40-CFR 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit

\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: NEBRASKA BOILER

Source Capacity/Throughput: 98.400 MMBTU/HR

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

# 001 [25 Pa. Code §123.11]

**Combustion units**

The Owner/Operator shall not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of the rate of 0.4 pound per million Btu of heat input.

# 002 [25 Pa. Code §123.22]

**Combustion units**

The Owner/Operator shall not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from a boiler in excess of the rate of 4 pounds per million BTU of heat input over any 1-hour period. Compliance with this requirement ensures compliance with the applicable SIP standard for any one hour period. Compliance with this requirement specified in this steamline permit condition assures compliance with the provisions specified in the S.I.P. approved SO<sub>2</sub> limits found in 40 CFR 52.2020(c)(1).

# 003 [25 Pa. Code §123.41]

**Limitations**

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

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

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) In accordance with RACT Operating Permit 11-306-005, the

emission of NO<sub>x</sub> from this auxiliary boiler shall not exceed 10.13 tons/year on a 12 month rolling basis.

(b) Authority for this condition is also derived in 25 Pa. Code Section 129.91.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The Auxiliary boiler shall not be operated more than 5% of its annual capacity factor.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and



**SECTION D. Source Level Requirements**

typical fuel analyses for this/these source(s).

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 007 [25 Pa. Code §127.441]  
Operating permit terms and conditions.  
These units shall be operated and maintained in accordance with manufacturer specifications and good air pollution control and engineering practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: FUEL PREPARATION

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter, at any time, in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds .04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The visible emissions from this source shall not exceed 5 percent opacity at any time.

Compliance with this streamlined condition ensures compliance with applicable requirement of 40 CFR, 60.252 which limits opacity to 20 percent.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

\*\*\* Permit Shield in Effect. \*\*\*



## SECTION D. Source Level Requirements

Source ID: 102

Source Name: ASH HANDLING/PILE

Source Capacity/Throughput:

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

\*\*\* Permit Shield in Effect. \*\*\*





**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: LIMESTONE HANDLING SYSTEM

Source Capacity/Throughput:

**I. RESTRICTIONS.**

Emission Restriction(s).

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter, at any time, in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds .04 grains per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

\*\*\* Permit Shield in Effect. \*\*\*



**SECTION D. Source Level Requirements**

Source ID: 105                      Source Name: BACKUP BMR AIR HEATER  
Source Capacity/Throughput:

**I. RESTRICTIONS.**

**Emission Restriction(s).**

# 001            [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter, at any time, in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds .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 SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 003            [25 Pa. Code §123.41]

**Limitations**

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

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

# 004            [25 Pa. Code §123.42]

**Exceptions**

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

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

# 005            [25 Pa. Code §135.3]

**Reporting**

The backup air heater shall not be operated more than 5% of its annual capacity factor.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 006            [25 Pa. Code §135.3]

**Reporting**

The total amount and type of fuel burned in this source shall be recorded and used as the basis for annual reporting of the emissions.



## SECTION D. Source Level Requirements

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

# 007 [25 Pa. Code §135.3]

#### Reporting

These units shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control and engineering practices.

### VII. ADDITIONAL REQUIREMENTS.

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

\*\*\* Permit Shield in Effect. \*\*\*



## SECTION D. Source Level Requirements

Source ID: 107

Source Name: FUEL CONVEYING

Source Capacity/Throughput:

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

\*\*\* Permit Shield in Effect. \*\*\*



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.



**SECTION F. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



SECTION G. Miscellaneous.



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

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