

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

TITLE V/STATE OPERATING PERMIT

ISSUE DATE: 06/23/1998

EFFECTIVE DATE: 07/01/1998

EXPIRATION DATE: 06/30/2003

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 the site inventory list. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

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

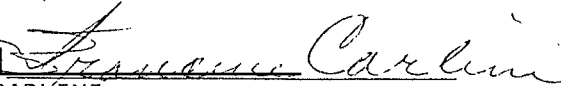
TITLE V PERMIT NO: 23-00039
TAX-ID/PLANT CODE 23-6003113/09

OWNER PA DPW
MAILING 3500 DARBY RD
ADDRESS HAVERFORD, PA. 19041

PLANT HAVERFORD STATE HOSP
LOCATION 23 Delaware County 23002 Haverford Twp
SIC CODE 8063 Services - Psychiatric Hospitals

RESPONSIBLE OFFICIAL
NAME MICHAEL MCGRATH
TITLE FACILITIES MAINTENANCE MANAGER

PERMIT CONTACT PERSON
NAME MICHAEL MCGRATH
TITLE FACILITIES MAINTENANCE MANAGER
PHONE (610)520-3298

[SIGNATURE] 
FRANCINE CARLINI
SOUTHEAST REGION AIR PROGRAM MANAGER

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SECTION A. Site Inventory List

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ID	Source Name	Capacity	Fuel/Material
031	KEELER BOILER #1	49.0 MMBTU/HR	Anthracite
032	KEELER BOILER #2	49.0 MMBTU/HR	Anthracite
033	KEELER BOILER #3	49.0 MMBTU/HR	Anthracite
034	FURNACE, BLDNG #1	1.0 MMBTU/HR	Natural Gas
101	EMERG. GENERATORS (9); 12-100 KW RA	8.4 Gal/HR	#2 Oil
102	EMERGENCY GENERATOR-150KW (BLDG#25)	561.0 CF/HR	Natural Gas
C01	BEAUMONT BIRCH SET. CHAMB.		
C02	BEAUMONT BIRCH SET. CHAMB.		
C03	BEAUMONT BIRCH SET. CHAMB.		
FML01	COAL STOCK PILE		
FML02	COAL BUNKER		
FML03	NATURAL GAS PIPELINE		
FML04	#2 OIL TANK		
S01	BOILER #1 STACK		
S02	BOILER #2 STACK		
S03	BOILER #3 STACK		
S04	FURNACE STACK		
S05	EMERG. GEN. STACK		
S06	EMER. GENERATOR STACK		

FML

FML01-->

FML

FML02-->031 -->C01 -->S01

FML

FML01-->

FML

FML02-->032 -->C02 -->S02

FML

FML01-->

FML

FML02-->033 -->C03 -->S03

FML Comb EP
FML03-->034 -->S04

FML Proc EP
FML04-->101 -->S05

FML Proc EP
FML03-->102 -->S06

#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 permit is issued for a fixed term of 5 years. 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) & 127.503]
Permit Renewal

(a) The permittee shall submit a complete application for renewal of the Title V permit at least 6 months and not more than 18 months before the expiration date of this permit. The permittee shall submit to the Department's Regional Air Program Manager a timely and complete application.

(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. 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) & 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

(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 or regulations adopted thereunder.

(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 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 this condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which are related to the facility's compliance with this Title V permit.

#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 §§127.512(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 3 or more years prior to the expiration date of this permit. The permit revision shall be completed within 18

months after promulgation of the applicable requirement. 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. Excess emissions offset plans for an affected source shall be incorporated into the permit upon approval by the Administrator of EPA.

(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.

#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.

#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 admendments, 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 & 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 Modifications

(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) Unless precluded by the Clean Air Act or the regulations thereunder, the Department will, upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), allow coverage by the permit shield in 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III.

#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 & 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 per centum (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 was required to be paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(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 Title V facilities which are exempted from emission fees under 35 P.S. § 4006.3(f).

*#017 [25 Pa. Code §§127.14(b) & 127.449]
Authorization for De Minimis Emissions Increases*

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

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

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

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

(b) Except as provided below in (c), 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:

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

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

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

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act 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) The permittee is authorized to install the following minor sources:

(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, liquified petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

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

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

(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.

(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 25 Pa. Code § 127.449, and 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.

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

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

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 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.

*#019 [25 Pa. Code §§121.9 & 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) & 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:

Enforcement Programs Section (3AT13)
United States Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d).

(d) A responsible official of the facility shall certify that based on

information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate, and complete.

*#021 [25 Pa. Code §127.441(c) & Chapter 139; §§114(a)(3), 504(b) of the CAA]
Sampling, Testing and Monitoring Procedures*

(a) The permittee shall perform all applicable emissions monitoring and analysis procedures or test methods, including procedures and methods under Sections 114(a)(3) or 504(b) of the Clean Air Act.

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

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

*#022 [25 Pa. Code §§127.511 & Chapter 135]
Recordkeeping Requirements*

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

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of 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 §§127.442, 127.511(c) & 127.513]
Reporting Requirements

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

(b) Pursuant to 25 Pa. Code § 127.511(c), the reporting requirements for the Title V facility shall include the following:

(1) Submittal of reports of required monitoring at least every six months. The reports shall include instances of deviations (as defined in 25 Pa. Code §121.1) from the requirements of this Title V permit.

(2) Reporting of deviations from permit requirements in accordance with §127.412(j). The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventive 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.

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

(d) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Condition #020 (relating to submissions) of this permit.

(e) Any records, reports or information submitted to the Department shall be available to the public 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 Sections 112(d) and 114(c) of the Clean Air Act, or 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) Within one year from the date of issuance of the Title V permit and each year thereafter, the permittee shall submit to the Department and EPA Region III a certification of compliance with the terms and conditions in this permit including the emission limitations, standards or work practices. This certification shall include:

(1) The identification of each term or condition of the permit that is the basis of the certification.

(2) A description of the means used to monitor compliance with the emission limitations, standards and work practices, consistent with 25 Pa. Code Article III.

(3) The compliance status.

(4) The methods used for determining the compliance status of the source, currently and over the reporting period.

(5) Whether compliance was continuous or intermittent.

(6) Other facts the Department may require to determine the compliance status of a source.

(b) The compliance certification shall be submitted to the Department and EPA in accordance with the submission requirements specified in permit 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 admendments)
- (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 and 40 CFR Part 68 (relating to chemical accident prevention provisions).

(b) When a regulated substance listed in 40 CFR § 68.130 is present in a process at the Title V facility in more than the listed threshold quantity, the permittee shall prepare and implement a risk management plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68.

(1) The permittee shall submit the first RMP to the Department and EPA no later than the latest of the following:

- (i) June 21, 1999;

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

(iii) 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 and guidance developed by EPA, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, and 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 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) The permittee shall maintain records supporting the implementation of an accidental release program for five 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 certify 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.

(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.

(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 administrative amendments, minor and significant permit modifications, and operational flexibility changes shall be covered by the permit shield provided such amendments, modifications and changes 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.

I. RESTRICTIONS.

Emission Limitation(s).

#001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

(a) Construction or demolition of buildings or structures.

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

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

(d) Clearing of land.

(e) Stockpiling of materials.

(f) Sources and classes of sources other than those identified in (a) - (e) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1 (b), that fugitive emissions from the source, after appropriate control, meet the following requirements:

(1) The emissions are of minor significance with respect to causing air pollution; and

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

#002 [25 Pa. Code §123.2]

Fugitive particulate matter

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

#003 [25 Pa. Code §123.31]
Limitations

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

#004 [25 Pa. Code §123.41]
Limitations

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

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

#005 [25 Pa. Code §123.42]
Exceptions

The limitations of Condition #004, of this Section, shall not apply to a visible emission in any of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from sources specified in Condition #001 of this Section.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.91]

The permittee may not permit the emission into the outdoor atmosphere of Nitrogen Oxides (NOx) in excess of 116 tons per year total, for the entire facility, based on a consecutive twelve (12) month period.

#007 [25 Pa. Code §129.14]
Open burning operations

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

- (a) 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.
- (b) A fire set for the purposes of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set solely for cooking food.
- (d) A fire set solely for recreational or ceremonial purposes.

II. TESTING REQUIREMENTS.

#008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.513]

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A of this permit may be in excess of the limitations specified in this permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing, as included in above Condition #008(a) shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

#009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall perform a stack test at the facility, using the Department approved procedures for stack testing, twelve (12) months

prior to permit renewal. The stack test shall, at a minimum, test for the total Nitrogen Oxide (NOx) emission to show compliance with Condition #006 of this Section.

III. MONITORING REQUIREMENTS.

#010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions, pursuant to Condition #004 of this Section, may be measured using either of the following:

(a) A device approved by the Department and maintained to provide accurate opacity measurements.

(b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

#011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

When the facility is manned, the permittee shall monitor, at least once per eight (8) hour work period, the facility for odors to determine compliance with Condition #003 of this Section.

#012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) At least once during each eight hour work period, when the facility is manned, the permittee shall inspect the facility for any fugitive particulate emissions.

(b) Fugitive emissions observed, by the permittee, and not authorized by Condition #001 of this Section, shall be reported to the permittee's Environmental Specialist, investigated and corrected appropriately.

*#013 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

Visible emissions exceeding the limitations of Condition #004 of this Section shall be:

- (a) Reported to the facility Environmental Specialist;
- (b) Investigated;
- (c) Corrected appropriately.

*#014 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

Odors noticed at the site boundaries, that may be considered as malodors by the Department, shall be:

- (a) Reported to the the facility Environmental Specialist,
- (b) Investigated, and
- (c) Corrected appropriately.

IV. RECORDKEEPING REQUIREMENTS.

*#015 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

The permittee shall record, at a minimum, the following information relating to the reports of malodors, fugitive particulate emissions and/or exceedances of any visible emissions standard from any source listed in Section A of this permit:

- (a) Date, time, place of incident(s).
- (b) Results of the investigation.
- (c) Any corrective action taken.

*#016 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

- (a) The permittee shall maintain records, on a monthly basis, of total NOx emissions for the entire facility.
- (b) The permittee shall record, on a monthly basis, the facility's total NOx emissions for each of the previous consecutive 12-month period, starting from one year after issuance of this permit.

V. REPORTING REQUIREMENTS.

*#017 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

- (a) The permittee shall notify the Department by telephone at (610) 832-6241, within two (2) hours of any malfunction(s) of the source(s), listed in Section A of this permit, or associated air cleaning device(s) which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit or in 25 Pa. Code Article III.
- (b) Malfunction(s) which occur(s) at this Title V facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source continued to operate after the malfunction(s), shall immediately, after becoming knowledgeable of any occurrence, be reported to the Department by telephone at the above number.
- (c) A written report describing the malfunction(s) shall be submitted to the Department within two (2) working days following the notification by telephone required under subsections (a) and (b) above. This report shall describe, at a minimum, the malfunction(s), emission(s), duration, and corrective action(s) taken.

*#018 [25 Pa. Code §135.3]
Reporting*

The permittee shall submit, by March 1 of each year, an Air Information Management System (AIMS) inventory report for the preceding calendar year.

*#019 [25 Pa. Code §135.21]
Emission statements*

The permittee shall submit, by March 1 of each year, an annual emission statement for the preceding calendar year.

VI. WORK PRACTICE STANDARDS.

*#020 [25 Pa. Code §123.1]
Prohibition of certain fugitive emissions*

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

(a) Use, where possible, of water or suitable chemicals, as approved by the Department, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(b) Application of asphalt, water, or suitable chemicals, as approved by the Department, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) 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.

#021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that sources, listed in Section A of this permit, and air cleaning devices are operated and maintained in a manner consistent with good engineering and operating practices.

#022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

The permittee shall immediately implement measures, including the installation of air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of this permit is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

#023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h).]

(a) The permittee may not modify any source identified in Section A of this permit, prior to obtaining Department approval except those modifications authorized by Condition #017(g) of Section B, of this permit.

(b) If an unauthorized modification of a source(s) occurs at the facility, this permit shall be suspended and the permittee shall not thereafter continue to operate the source(s).

VII. ADDITIONAL REQUIREMENTS.

#024 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

#025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this Permit condition is also derived from 25 Pa. Code § 127.512.(h)]

The following previously issued Plan Approvals and Operating Permits serve as a basis for certain terms and conditions in this Title V Operating Permit:

RACT Permit: OP-23-0028 for Sources 031, 032, 033, 034 & 101.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit on or before 09/01/1998 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit, and thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** PERMIT SHIELD IN EFFECT. *****

Source ID: 031

Source Name: KEELER BOILER #1

SOURCE CAPACITY:

49.0 MMBTU/HR Anthracite

FML

FML01-->

FML

Comb CD EP

FML02-->031 -->C01 -->S01

I. RESTRICTIONS.

Emission Limitation(s).

#001 [25 Pa. Code §123.11]

Combustion units

No person may 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

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code §123.22]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from this source at any time in excess of the rate of 1.2 pounds per million Btu of heat input.

#003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.91]

The Nitrogen Oxides (NO_x) emission from this source ID #031 shall not exceed 38.5 tons per year, based on consecutive 12-month period.

Fuel Restriction(s).

#004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall use only anthracite coal as fuel for this Source ID #031.
- (b) The permittee shall not use anthracite coal which contains ash in excess of 12% by weight to comply with Condition #001 of this Section D.
- (c) The permittee shall not use anthracite coal which contains sulfur in excess of 0.7% by weight to comply with Condition #002 of this Section D.

Control Device Efficiency Restriction(s).

#005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The exhaust from Source IDs #031, #032, and #033 shall always pass through their respective control device (Settling Chamber).

II. TESTING REQUIREMENTS.

#006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.512(h)]

- (a) The permittee shall obtain, with each delivery, a certified receipt from the fuel supplier that documents, at a minimum, the following parameters:
 - (1) Percent Sulfur Content (%S).
 - (2) Percent Ash Content (%A).
 - (3) Heat of Combustion (Btu/lb coal).
 - (4) Percent Moisture.
 - (5) Size of Shipment.
- (b) In the event that a receipt is not obtained from the fuel supplier,

the permittee shall perform a coal analysis for that shipment in accordance with 25 Pa. Code Chapter 139.

(c) The analysis shall, at a minimum, measure the parameters listed in subpart (a), above.

III. MONITORING REQUIREMENTS.

#007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

(a) The permittee shall monitor the following operating parameters for Source ID #031:

- (1) Hours of operation on a daily basis;
- (2) The amount of fuel consumed on daily basis;
- (3) The type of fuel;
- (4) Percent sulfur and ash content of the fuel in each shipment;
- (5) The heat of combustion value of the fuel in each shipment.

(b) The permittee shall monitor and calculate Particulate Matter (PM), Sulfur Dioxide (SO₂) emissions on weekly basis and Nitrogen Oxides (NO_x) emissions on monthly basis using EPA AP-42 emission factors. The total NO_x emissions for each of the previous consecutive 12-month period shall also be calculated and recorded on monthly basis to verify the corresponding emission limit.

(c) The emission calculations for Particulate Matter and Sulfur Dioxide shall also be expressed in lb/MMBtu.

IV. RECORDKEEPING REQUIREMENTS.

#008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.93]

The permittee shall record each adjustment conducted under the procedures mentioned in Condition #011 of this Section, for this Source (ID #031), in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- (a) The date of tuning procedure;
- (b) The name of service company and technicians;
- (c) The final operating rate or load;
- (d) The final CO and NOx emission rates;
- (e) The final excess oxygen rate.

#009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

(a) The permittee shall maintain, at a minimum, records of the following operating parameters for Source ID #031:

- (1) Hours of operation on a daily basis;
- (2) The amount of fuel consumed on daily basis;
- (3) The type of fuel;
- (4) Percent sulfur and ash content of the fuel in each shipment;
- (5) The heat of combustion value of the fuel in each shipment.

(b) The permittee shall keep, in record, all the certified receipts obtained from the fuel suppliers each time a delivery is received.

(c) In the event that the supplier does not provide fuel specifications, the permittee shall keep records of sampling and analysis for each shipment of fuel to assure fuel quality and compliance with Conditions #001, #002, #003 & #004 of this Section.

(d) The permittee shall keep records of the Particulate Matter (PM), Sulfur Oxides (SO₂) and Nitrogen Oxides (NO_x) emissions calculations used to verify the corresponding emission limitations for the source.

V. REPORTING REQUIREMENTS.

#010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall submit to the Department on a semi-annual basis, records of the following for Source ID #031:

- (a) Hours of operation on a daily basis;
- (b) The amount of fuel consumed on daily basis;
- (c) The type of fuel;
- (d) Percent sulfur and ash content of the fuel in each shipment;
- (e) The heat of combustion value of the fuel in each shipment.

(f) The supporting calculations used to verify the Particulate Matter (PM), Sulfur Oxides (SO_x), and Nitrogen Oxides (NO_x) emissions limitations.

VI. WORK PRACTICE STANDARDS.

#011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.93]

The permittee shall perform an annual adjustment or tune-up on each boiler to demonstrate compliance with Condition #003 of this Section. This adjustment shall include, but not limited to the following:

(a) Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx and to the extent practicable minimize emissions of CO.

(c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

*#012 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

The permittee shall make the ash dust wet with water to prevent the dust from being airborne during truck loading.

VII. ADDITIONAL REQUIREMENTS.

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

***** PERMIT SHIELD IN EFFECT. *****

Source ID: 032
Source Name: KEELER BOILER #2

SOURCE CAPACITY: 49.0 MMBTU/HR Anthracite

FML
FML01-->

FML	Comb	CD	EP
FML02-->	032	-->C02	-->S02

I. RESTRICTIONS.

Emission Limitation(s).

#001 [25 Pa. Code §123.11]

Combustion units

No person may 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

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code §123.22]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from this source at any time in excess of the rate of 1.2 pounds per million Btu of heat input.

#003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.91]

The Nitrogen Oxides (NO_x) emission from this source ID #032 shall not exceed 38.5 tons per year, based on consecutive 12-month period.

Fuel Restriction(s).

#004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall use only anthracite coal as fuel for this Source ID #032.
- (b) The permittee shall not use anthracite coal which contains ash in excess of 12% by weight to comply with Condition #001 of this Section D.
- (c) The permittee shall not use anthracite coal which contains sulfur in excess of 0.7% by weight to comply with Condition #002 of this Section D.

Control Device Efficiency Restriction(s).

#005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The exhaust from Source IDs #031, #032, and #033 shall always pass through their respective control device (Settling Chamber).

II. TESTING REQUIREMENTS.

#006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.512(h)]

- (a) The permittee shall obtain, with each delivery, a certified receipt from the fuel supplier that documents, at a minimum, the following parameters:
 - (1) Percent Sulfur Content (%S).
 - (2) Percent Ash Content (%A).
 - (3) Heat of Combustion (Btu/lb coal).
 - (4) Percent Moisture.
 - (5) Size of Shipment.
- (b) In the event that a receipt is not obtained from the fuel supplier,

the permittee shall perform a coal analysis for that shipment in accordance with 25 Pa. Code Chapter 139.

(c) The analysis shall, at a minimum, measure the parameters listed in subpart (a), above.

III. MONITORING REQUIREMENTS.

#007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

(a) The permittee shall monitor the following operating parameters for Source ID #032:

- (1) Hours of operation on a daily basis;
- (2) The amount of fuel consumed on daily basis;
- (3) The type of fuel;
- (4) Percent sulfur and ash content of the fuel in each shipment;
- (5) The heat of combustion value of the fuel in each shipment.

(b) The permittee shall monitor and calculate Particulate Matter (PM), Sulfur Dioxide (SO₂) emissions on weekly basis and Nitrogen Oxides (NO_x) emissions on monthly basis using EPA AP-42 emission factors. The total NO_x emissions for each of the previous consecutive 12-month period shall also be calculated and recorded on monthly basis to verify the corresponding emission limit.

(c) The emission calculations for Particulate Matter and Sulfur Dioxide shall also be expressed in lb/MMBtu.

IV. RECORDKEEPING REQUIREMENTS.

#008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

(a) The permittee shall maintain, at a minimum, records of the following operating parameters for Source ID #032:

- (1) Hours of operation on a daily basis;
- (2) The amount of fuel consumed on daily basis;
- (3) The type of fuel;
- (4) Percent sulfur and ash content of the fuel in each shipment;
- (5) The heat of combustion value of the fuel in each shipment.

(b) The permittee shall keep, in record, all the certified receipts obtained from the fuel suppliers each time a delivery is received.

(c) In the event that the supplier does not provide fuel specifications, the permittee shall keep records of sampling and analysis for each shipment of fuel to assure fuel quality and compliance with Conditions #001, #002, #003 & #004 of this Section.

(d) The permittee shall keep records of the Particulate Matter (PM), Sulfur Oxides (SO₂) and Nitrogen Oxides (NO_x) emissions calculations used to verify the corresponding emission limitations for the source.

#009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.93]

The permittee shall record each adjustment conducted under the procedures mentioned in Condition #011 of this Section, for this Source (ID #032), in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- (a) The date of tuning procedure;
- (b) The name of service company and technicians;
- (c) The final operating rate or load;
- (d) The final CO and NOx emission rates;
- (e) The final excess oxygen rate.

V. REPORTING REQUIREMENTS.

#010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall submit to the Department on a semi-annual basis, records of the following for Source ID #032:

- (a) Hours of operation on a daily basis;
- (b) The amount of fuel consumed on daily basis;
- (c) The type of fuel;
- (d) Percent sulfur and ash content of the fuel in each shipment;
- (e) The heat of combustion value of the fuel in each shipment.
- (f) The supporting calculations used to verify the Particulate Matter (PM), Sulfur Oxides (SOx), and Nitrogen Oxides (NOx) emissions limitations.

VI. WORK PRACTICE STANDARDS.

#011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.93]

The permittee shall perform an annual adjustment or tune-up on each boiler to demonstrate compliance with Condition #003 of this Section. This adjustment shall include, but not limited to the following:

(a) Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx and to the extent practicable minimize emissions of CO.

(c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

*#012 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

The permittee shall make the ash dust wet with water to prevent the dust from being airborne during truck loading.

VII. ADDITIONAL REQUIREMENTS.

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

***** PERMIT SHIELD IN EFFECT. *****

Source ID: 033

Source Name: KEELER BOILER #3

SOURCE CAPACITY:

49.0 MMBTU/HR Anthracite

FML

FML01-->

FML

Comb CD EP

FML02-->033 -->C03 -->S03

I. RESTRICTIONS.

Emission Limitation(s).

#001 [25 Pa. Code §123.11]

Combustion units

No person may 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

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code §123.22]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from this source at any time in excess of the rate of 1.2 pounds per million Btu of heat input.

#003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.91]

The Nitrogen Oxides (NO_x) emission from this source ID #033 shall not exceed 38.5 tons per year, based on consecutive 12-month period.

Fuel Restriction(s).

#004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall use only anthracite coal as fuel for this Source ID #033.
- (b) The permittee shall not use anthracite coal which contains ash in excess of 12% by weight to comply with Condition #001 of this Section D.
- (c) The permittee shall not use anthracite coal which contains sulfur in excess of 0.7% by weight to comply with Condition #002 of this Section D.

Control Device Efficiency Restriction(s).

#005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The exhaust from Source IDs #031, #032, and #033 shall always pass through their respective control device (Settling Chamber).

II. TESTING REQUIREMENTS.

#006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.512(h)]

- (a) The permittee shall obtain, with each delivery, a certified receipt from the fuel supplier that documents, at a minimum, the following parameters:
 - (1) Percent Sulfur Content (%S).
 - (2) Percent Ash Content (%A).
 - (3) Heat of Combustion (Btu/lb coal).
 - (4) Percent Moisture.
 - (5) Size of Shipment.
- (b) In the event that a receipt is not obtained from the fuel supplier,

the permittee shall perform a coal analysis for that shipment in accordance with 25 Pa. Code Chapter 139.

(c) The analysis shall, at a minimum, measure the parameters listed in subpart (a), above.

III. MONITORING REQUIREMENTS.

#007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

(a) The permittee shall monitor the following operating parameters for Source ID #033:

- (1) Hours of operation on a daily basis;
- (2) The amount of fuel consumed on daily basis;
- (3) The type of fuel;
- (4) Percent sulfur and ash content of the fuel in each shipment;
- (5) The heat of combustion value of the fuel in each shipment.

(b) The permittee shall monitor and calculate Particulate Matter (PM), Sulfur Dioxide (SO₂) emissions on weekly basis and Nitrogen Oxides (NO_x) emissions on monthly basis using EPA AP-42 emission factors. The total NO_x emissions for each of the previous consecutive 12-month period shall also be calculated and recorded on monthly basis to verify the corresponding emission limit.

(c) The emission calculations for Particulate Matter and Sulfur Dioxide shall also be expressed in lb/MMBtu.

IV. RECORDKEEPING REQUIREMENTS.

#008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from
25 Pa. Code §129.93]

The permittee shall record each adjustment conducted under the procedures mentioned in Condition #011 of this Section, for this Source (ID #033), in a permanently bound log book or other method approved by the Department. This log shall contain, at a minimum, the following information:

- (a) The date of tuning procedure;
- (b) The name of service company and technicians;
- (c) The final operating rate or load;
- (d) The final CO and NOx emission rates;
- (e) The final excess oxygen rate.

#009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from
25 Pa. Code §127.511]

(a) The permittee shall maintain, at a minimum, records of the following operating parameters for Source ID #033:

- (1) Hours of operation on a daily basis;
- (2) The amount of fuel consumed on daily basis;
- (3) The type of fuel;
- (4) Percent sulfur and ash content of the fuel in each shipment;
- (5) The heat of combustion value of the fuel in each shipment.

(b) The permittee shall keep, in record, all the certified receipts obtained from the fuel suppliers each time a delivery is received.

(c) In the event that the supplier does not provide fuel specifications, the permittee shall keep records of sampling and analysis for each shipment of fuel to assure fuel quality and compliance with Conditions #001, #002, #003 & #004 of this Section.

(d) The permittee shall keep records of the Particulate Matter (PM), Sulfur Oxides (SO₂) and Nitrogen Oxides (NO_x) emissions calculations used to verify the corresponding emission limitations for the source.

V. REPORTING REQUIREMENTS.

#010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall submit to the Department on a semi-annual basis, records of the following for Source ID #033:

- (a) Hours of operation on a daily basis;
- (b) The amount of fuel consumed on daily basis;
- (c) The type of fuel;
- (d) Percent sulfur and ash content of the fuel in each shipment;
- (e) The heat of combustion value of the fuel in each shipment.

(f) The supporting calculations used to verify the Particulate Matter (PM), Sulfur Oxides (SO_x), and Nitrogen Oxides (NO_x) emissions limitations.

VI. WORK PRACTICE STANDARDS.

#011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.93]

The permittee shall perform an annual adjustment or tune-up on each boiler to demonstrate compliance with Condition #003 of this Section. This adjustment shall include, but not limited to the following:

(a) Inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx and to the extent practicable minimize emissions of CO.

(c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

*#012 [25 Pa. Code §127.441]
Operating permit terms and conditions.*

The permittee shall make the ash dust wet with water to prevent the dust from being airborne during truck loading.

VII. ADDITIONAL REQUIREMENTS.

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

***** PERMIT SHIELD IN EFFECT. *****

Source ID: 034

Source Name: FURNACE, BLDNG #1

SOURCE CAPACITY:

1.0 MMBTU/HR Natural Gas

FML Comb EP
FML03-->034 -->S04

I. RESTRICTIONS.

Emission Limitation(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 rate of 1.2 pounds per million Btu of heat input.

Fuel Restriction(s).

#002 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall use only natural gas as fuel for this Source ID #034.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

#003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall monitor the following operating parameters for Source ID #034:

- (a) Hours of daily operation;
- (b) The amount and type of fuel consumed per week.

IV. RECORDKEEPING REQUIREMENTS.

#004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from
25 Pa. Code §127.511]

The permittee shall keep appropriate records to demonstrate that the
Source ID #034 is being maintained and operated in accordance with
manufacturers specifications.

#005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from
25 Pa. Code §127.511]

The permittee shall maintain records of the following operating
parameters for Source ID #034:

- (a) Hours of daily operation;
- (b) The amount and type of fuel consumed per week.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE STANDARDS.

#006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from
25 Pa. Code §129.93]

The permittee shall operate and maintain the Source ID # 034 in
accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

***** PERMIT SHIELD IN EFFECT. *****

Source ID: 101

Source Name: EMERG. GENERATORS (9); 12-100 KW RANGE

SOURCE CAPACITY:

8.4 Gal/HR #2 Oil

FML Proc EP
FML04-->101 -->S05

I. RESTRICTIONS.

Emission Limitation(s).

#001 [25 Pa. Code §123.13]
Processes

No person may permit the emission from Source ID #101 into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot per generator.

#002 [25 Pa. Code §123.21]
General

No person may permit the emission from Source ID #101 into outdoor atmosphere in a manner that the concentration of Sulfur Oxides (SOx), expressed as Sulfur Dioxide (SO2), in the effluent gas in excess of 500 parts per million, by volume, dry basis per generator.

Fuel Restriction(s).

#003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall use only #2 oil fuel for all emergency generators except emergency generator in Building #25, which uses natural gas fuel as specified in Section H of this Permit.

Operating Schedule Restriction(s).

#004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate each of the ten (9) emergency generators not more than 500 hours in a consecutive twelve (12) month period.

II. TESTING REQUIREMENTS.

#005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code §139.4(10) (relating to references).

(2) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code §139.4(12)--(15).

(b) The testing requirement in subpart (a), above, shall be waived in the event that a certified receipt, showing the percent sulfur in the fuel, is obtained from the fuel supplier each time a delivery is made.

III. MONITORING REQUIREMENTS.

#006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall monitor the following items for this Source ID #101:

(a) The number of hours operated per day per generator;

(b) The amount and type of fuel consumed per day per generator;

- (c) The percent sulfur content in each shipment of fuel.

IV. RECORDKEEPING REQUIREMENTS.

#007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall maintain records of the following items for this Source ID #101:

- (a) The number of hours operated per day per generator;
- (b) The amount and type of fuel consumed per day per generator;
- (c) The percent sulfur content in each shipment of fuel.

#008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall keep appropriate records to demonstrate that the Source ID #101 is being maintained and operated in accordance with manufacturers specifications.

#009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.3 percent, each time a delivery is made.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE STANDARDS.

#010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.93]

The permittee shall operate and maintain the Source ID # 101 in accordance with manufacturers specifications to demonstrate compliance with Conditions #001 and #002 of this Section.

VII. ADDITIONAL REQUIREMENTS.

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

***** PERMIT SHIELD IN EFFECT. *****

Source ID: 102

Source Name: EMERGENCY GENERATOR-150KW (BLDG#25)

SOURCE CAPACITY: 561.0 CF/HR Natural Gas

FML Proc EP
FML03-->102 -->S06

I. RESTRICTIONS.

Fuel Restriction(s).

#001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas as fuel for this Source ID #102.

Operating Schedule Restriction(s).

#002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate this emergency generator (ID #102) not more than 500 hours in a consecutive twelve (12) month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

#003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall monitor the following operating parameters for the Source ID #102:

- (a) Hours of daily operation;

- (b) The amount and type of fuel consumed per day.

IV. RECORDKEEPING REQUIREMENTS.

#004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall keep appropriate records to demonstrate that the Source ID #102 is being maintained and operated in accordance with manufacturer's specifications.

#005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall record the following operating parameters for the Source ID #102:

- (a) Hours of daily operation;
- (b) The amount and type of fuel consumed per day.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE STANDARDS.

#006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §127.511]

The permittee shall operate and maintain the Source ID #102 in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

***** PERMIT SHIELD IN EFFECT. *****

No Alternative Operations exist for this Title V Facility

No Emission Trading Groups exist for this Title V Facility.

SECTION G.
Emission Restriction Summary

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DEP ID	Source Description	Emission Limit	Pollutant
031	KEELER BOILER #	38.500 Tons/Yr 12-month rolling sum .400 Lbs/MMBTU at any time 1.200 Lbs/MMBTU at any time	NOX PM10 SO2
032	KEELER BOILER #	38.500 Tons/Yr 12-month rolling sum .400 Lbs/MMBTU at any time 1.200 Lbs/MMBTU at any time	NOX PM10 SO2
033	KEELER BOILER #	38.500 Tons/Yr 12-month rolling sum .400 Lbs/MMBTU at any time 1.200 Lbs/MMBTU at any time	NOX PM10 SO2
034	FURNACE, BLDNG	1.200 Lbs/MMBTU	SO2
101	EMERG. GENERATO	.040 gr/DRY FT3 500.000 PPMV	PM10 SO2
SITE		116.000 Tons/Yr 12-month rolling sum	NOX

For the purpose of this Permit, Source ID #101 is comprised of the following Emergency Generators:

ID Nos.	Fuel	KW Rating
G004A	No.2 Oil	100 KW
G004B	No.2 Oil	40 KW
G007	No.2 Oil	12 KW
G009	No.2 Oil	12 KW
G010	No.2 Oil	12 KW
G011	No.2 Oil	12 KW
G012	No.2 Oil	12 KW
G013	No.2 Oil	12 KW
G014	No.2 Oil	12 KW

For the purpose of this permit, Source ID #102 is comprised of the following emergency generator:

G025	Natural Gas	150 KW
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