

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:

May 2, 2013

Effective Date:

January 27, 2017

Revision Date:

January 27, 2017

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Revision Type:

Modification, Significant

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: 09-00066

Federal Tax Id - Plant Code: 23-3064219-26

Owner Information

Name: EXELON GENERATION CO LLC

Mailing Address: 300 EXELON WAY STE 330

KENNETT SQUARE, PA 19348-2473

Plant Information

Plant: EXELON GENERATION CO/FAIRLESS HILLS GEN STA

Location: 09

Bucks County

09002 Falls Township

SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: BRYAN BENNETT

Title: GEN MGR

Phone (610) 595 - 8101

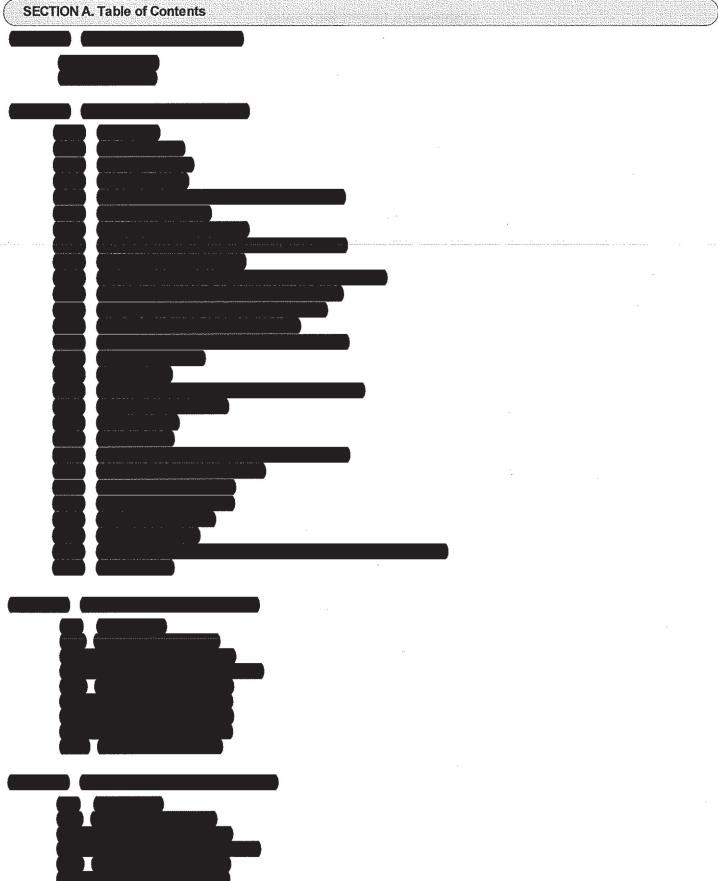
Permit Contact Person

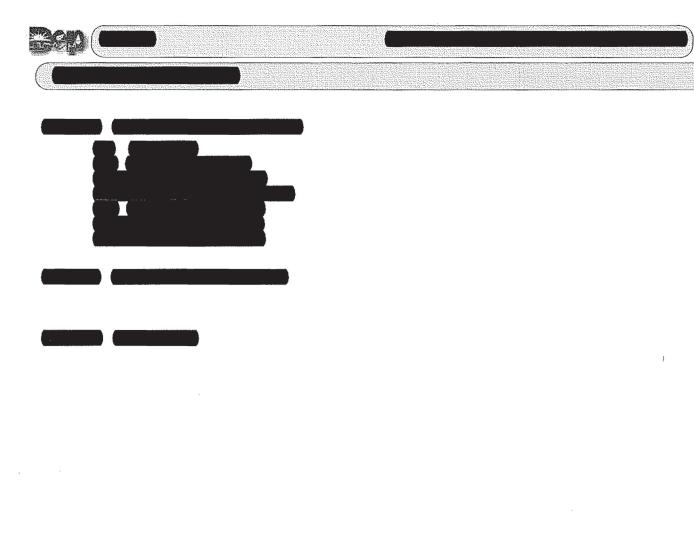
Name: JOHN TISSUE Title: ENV SPECIALIST Phone: (610) 765 - 5495

[Signature]

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER





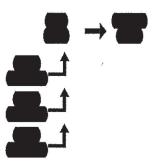


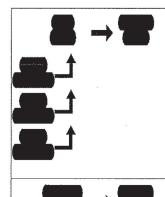


SECTION A. Site Inventory List

Sourc	e ID Source Name	Capacity	Throughput	Fuel/Material
044	POWER HOUSE BOILER 4	468.500	MMBTU/HR	
		80.000	BBL/HR	NO 4 RESID FUEL OIL
		479.500	MCF/HR	Natural Gas
		1,020.800	MCF/HR	By-Product
045	POWER HOUSE BOILER 5	468.500	MMBTU/HR	
		80.000	BBL/HR	NO 4 RESID FUEL OIL
		479.500	MCF/HR	Natural Gas
		1,020.800	MCF/HR	By-Product

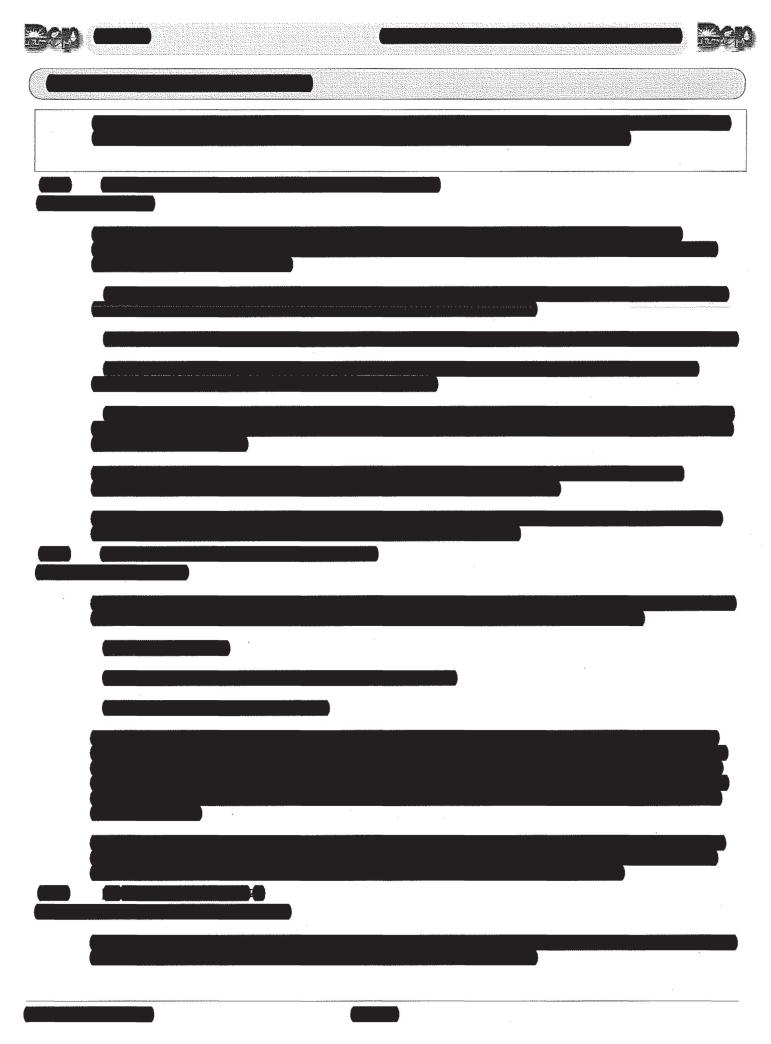


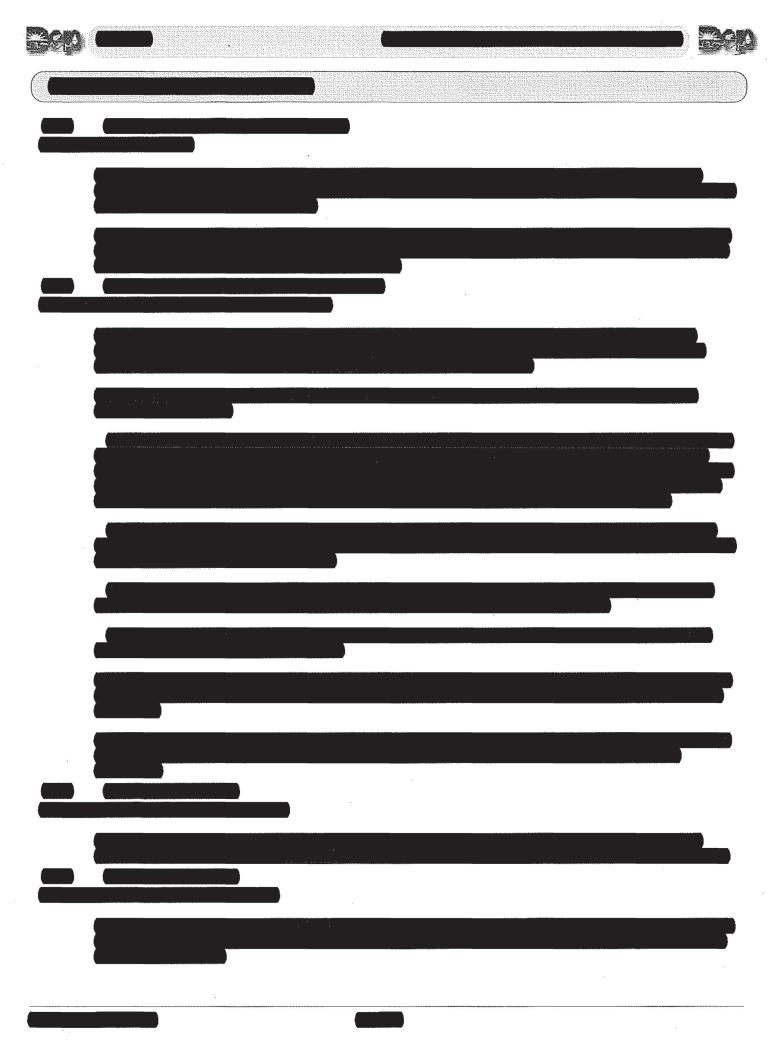


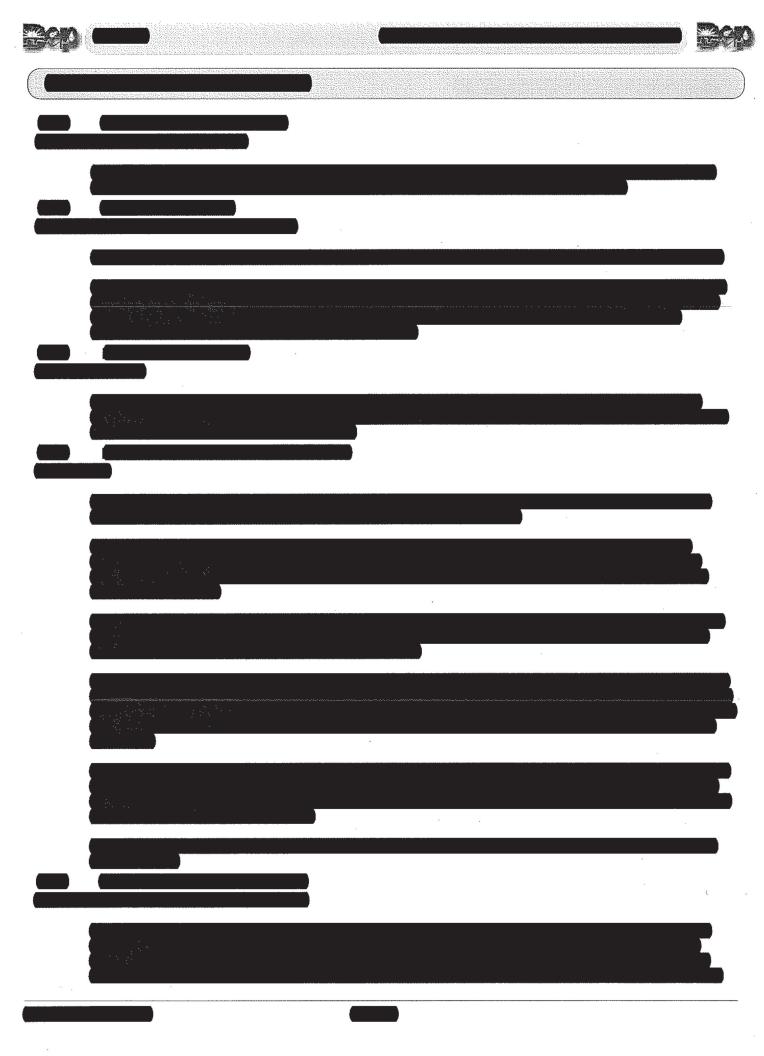


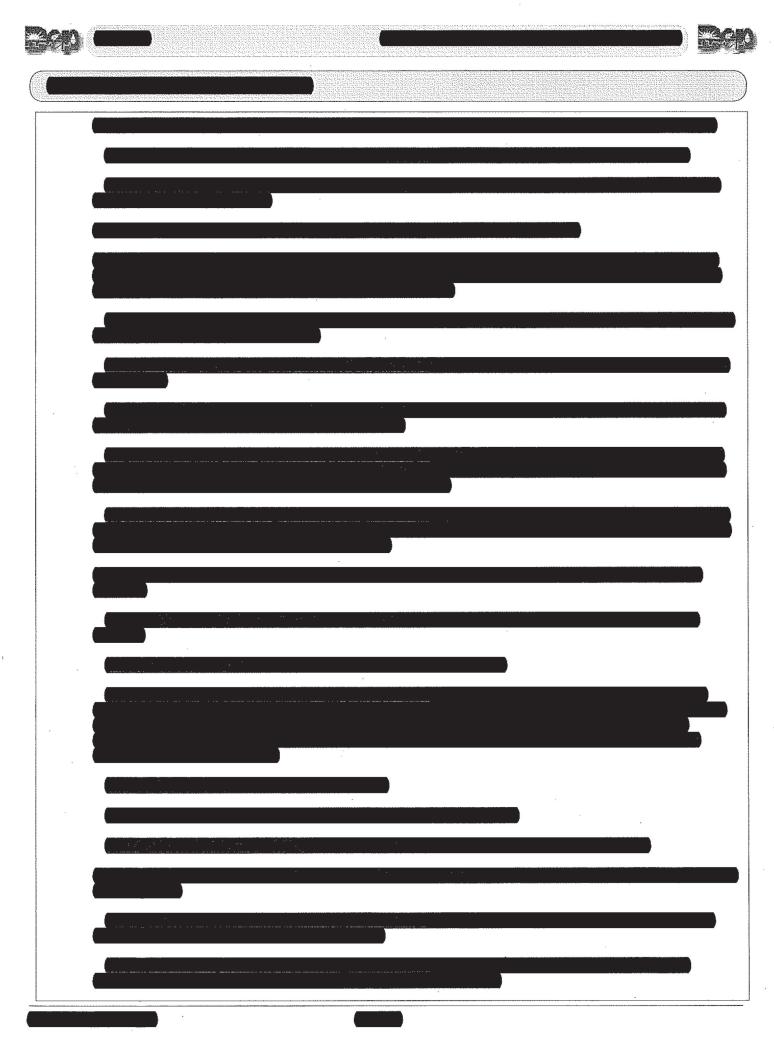


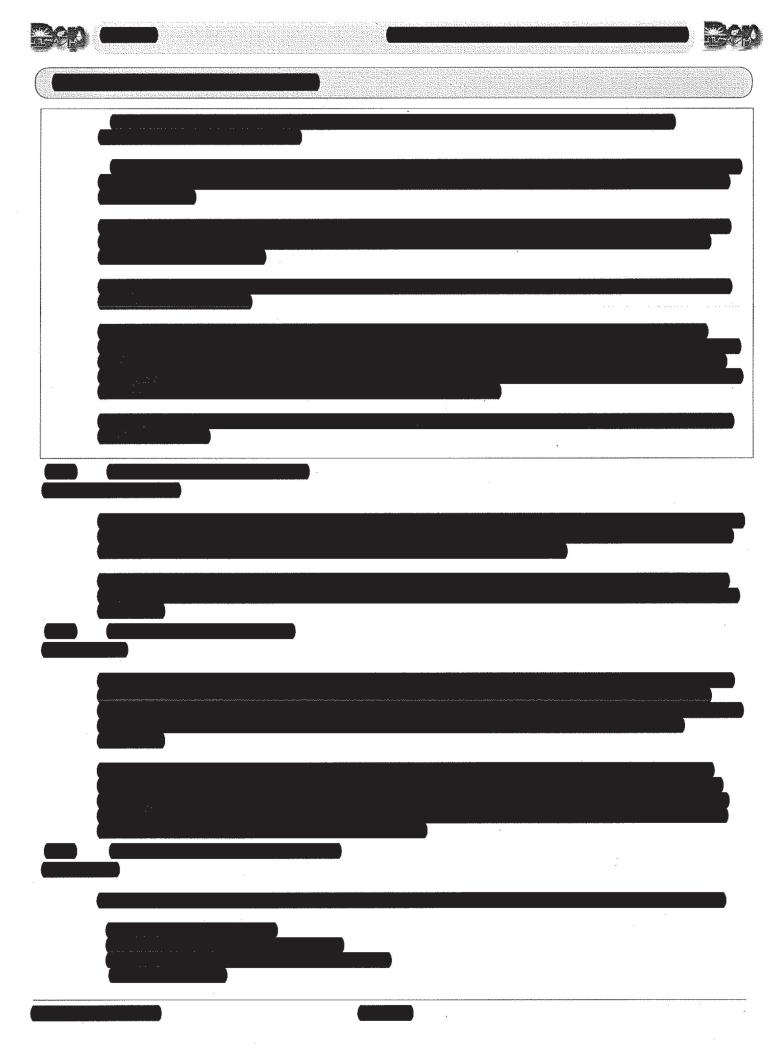
SECTION B. General Title V Requirements

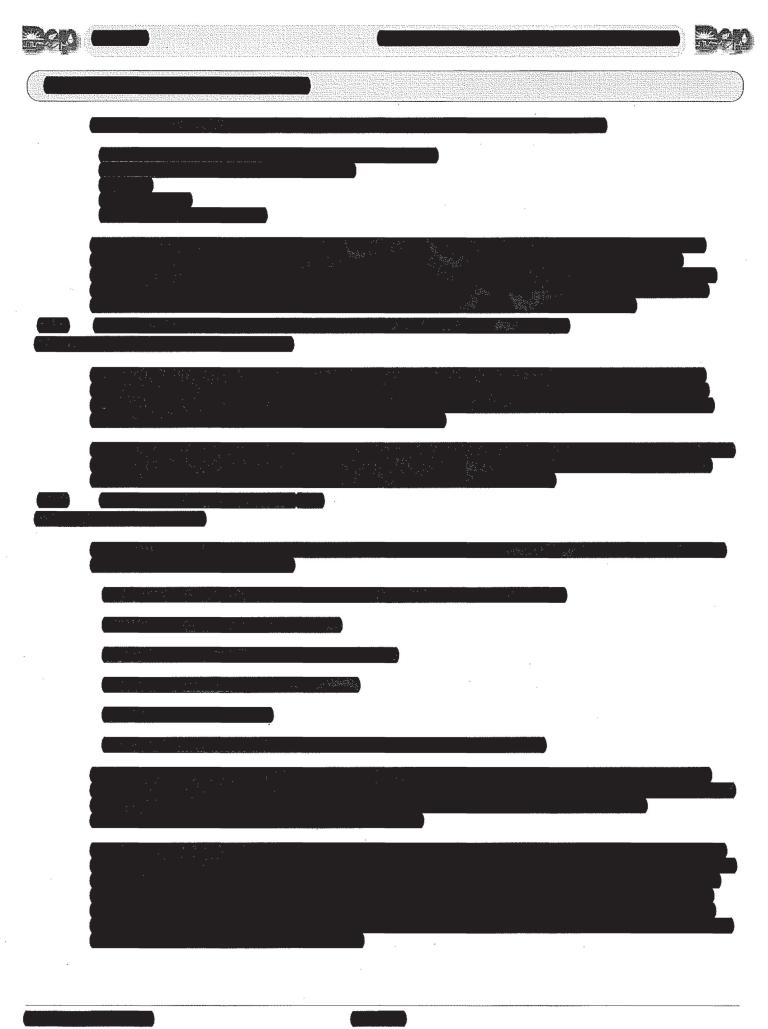














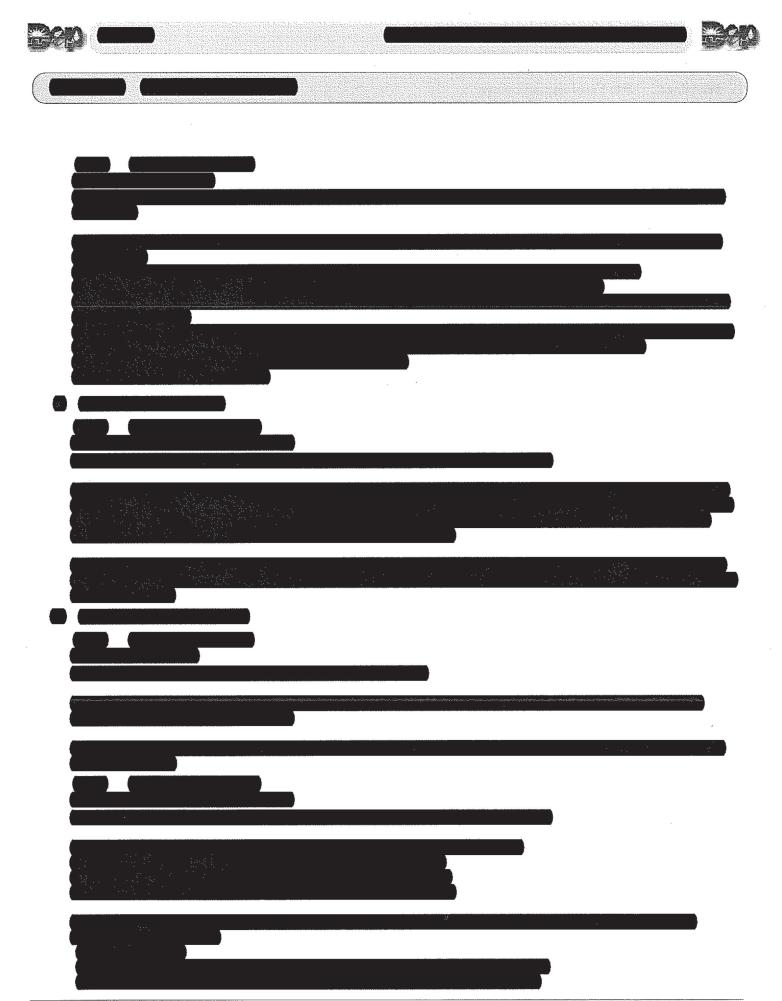


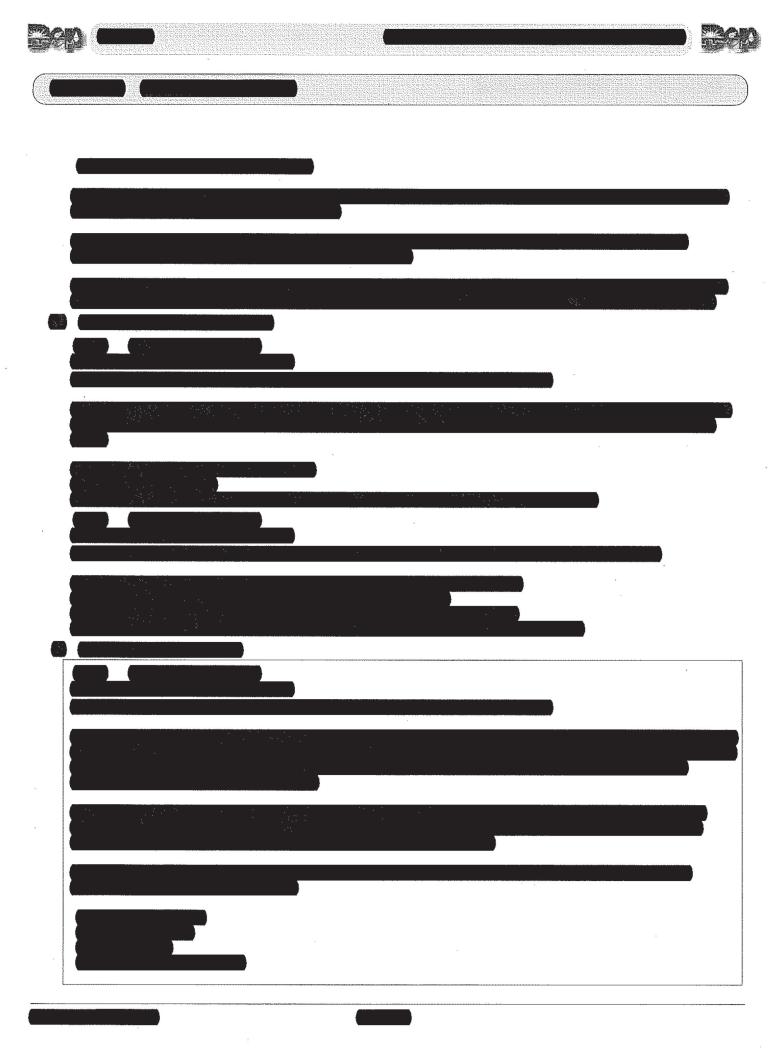






SECTION C. Site Level Requirements













Source ID: 044

Source Name: POWER HOUSE BOILER 4

Source Capacity/Throughput:

468.500 MMBTU/HR

80.000 BBL/HR

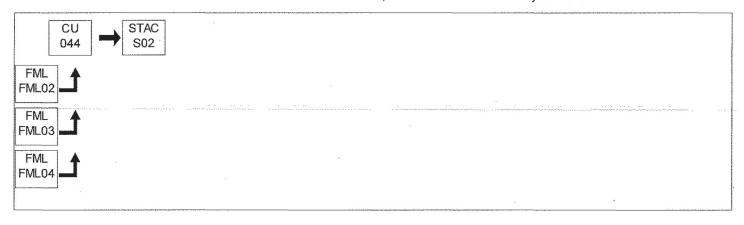
NO 4 RESID FUEL OIL

479.500 MCF/HR

Natural Gas

1,020.800 MCF/HR

By-Product



I. RESTRICTIONS.

Emission Restriction(s).



(b) The following NOx emission limits shall be used for the corresponding fuel type:

(1) Landfill Gas -- 0.100 lbs/MMBtu (30-day rolling average), in accordance with 25 Pa. Code § 129.99 (b).













012 [25 Pa. Code §127.441]

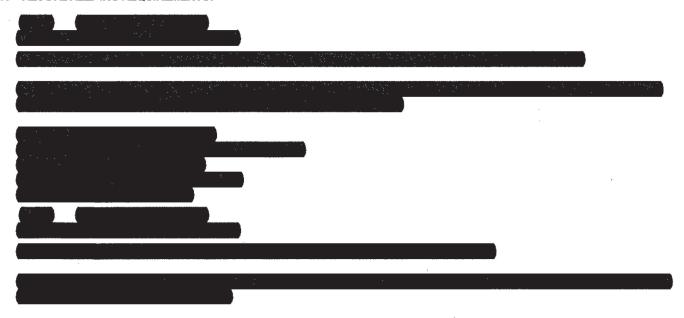
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.100]

The owner or operator shall demonstrate compliance with the emission limitations under Condition #002, of this source, by operating a CEMS for NOx, in accordance with the following procedures:

- (1) Monitoring and testing in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a 30-day rolling average.
- (i) A 30-day rolling average emission rate for an air contamination source that is a combustion unit shall be expressed in pounds per million Btu and calculated in accordance with the following procedure:
- (A) Sum the total pounds of pollutant emitted from the combustion unit for the current operating day and the previous 29 operating days.
- (B) Sum the total heat input to the combustion unit in million Btu for the current operating day and the previous 29 operating days.
- (C) Divide the total number of pounds of pollutant emitted by the combustion unit for the 30 operating days by the total heat input to the combustion unit for the 30 operating days.
- (ii) A 30-day rolling average emission rate for each applicable RACT emission limitation shall be calculated for an affected air contamination source for each consecutive operating day.
- (iii) Each 30-day rolling average emission rate for an affected air contamination source must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

IV. RECORDKEEPING REQUIREMENTS.









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

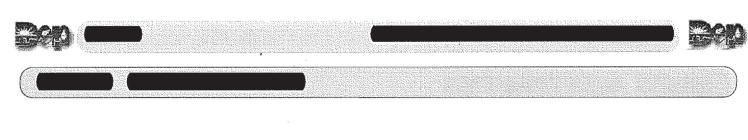
[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 and 129.100]

- (a) The permittee shall record data and perform sufficient calculations to demonstrate compliance with each of the emission limits for this boiler.
- (b) The permittee shall keep records to demonstrate compliance with § § 129.96—129.99, for NOx, as applicable, in the following manner:
- (1) The records must include sufficient data and calculations to demonstrate that the requirements of 25 Pa. Code § § 129.96—129.99, as applicable, are met.
- (2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.
- (3) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.





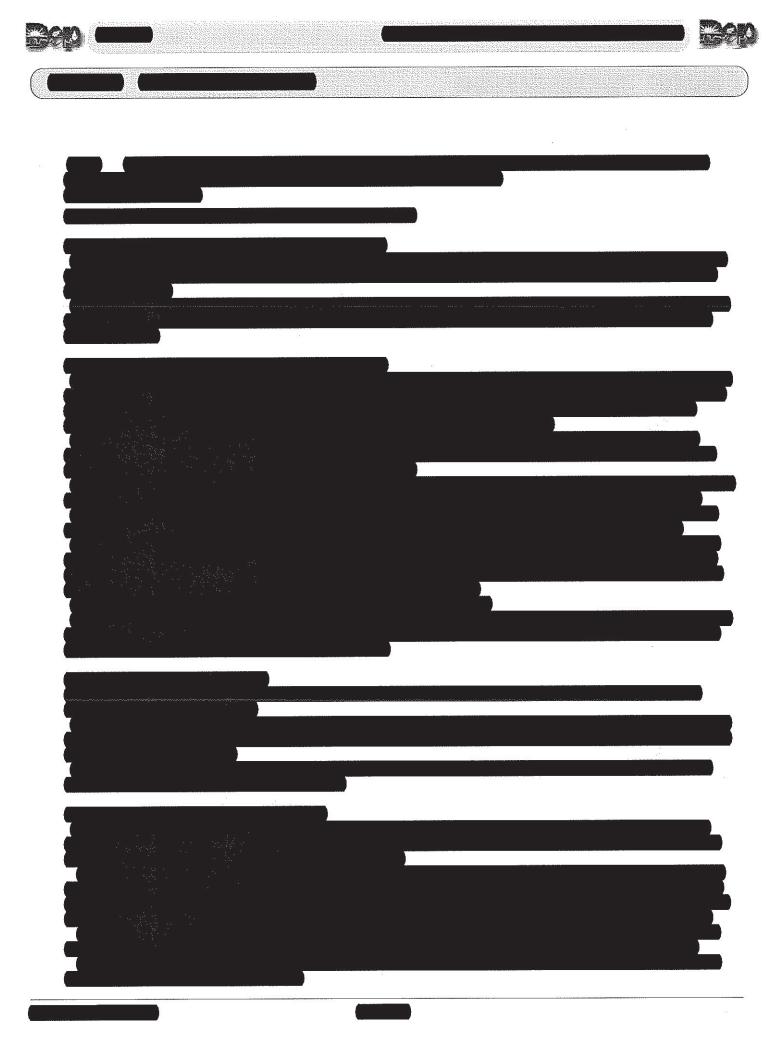






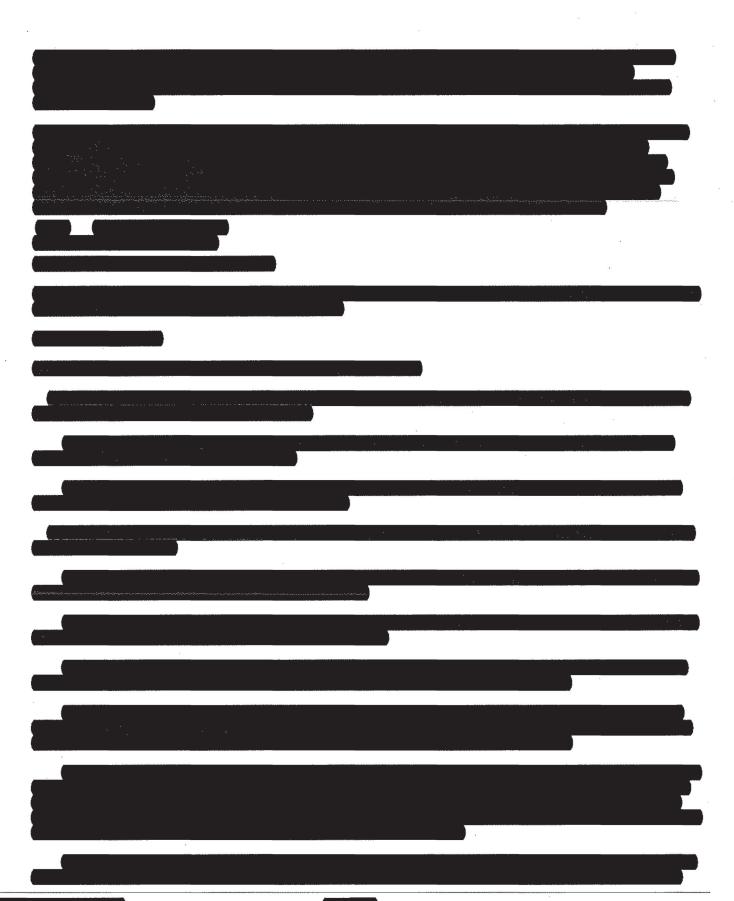
































Source ID: 045

Source Name: POWER HOUSE BOILER 5

Source Capacity/Throughput:

468.500 MMBTU/HR

80.000 BBL/HR

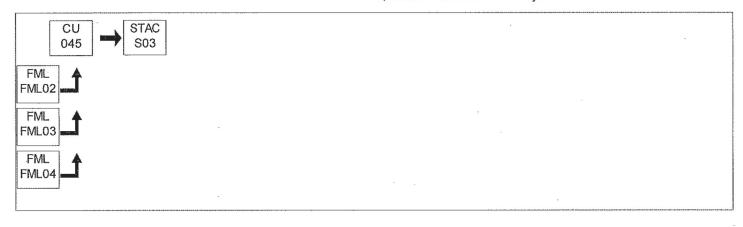
NO 4 RESID FUEL OIL

479.500 MCF/HR

Natural Gas

1,020.800 MCF/HR

By-Product



RESTRICTIONS.

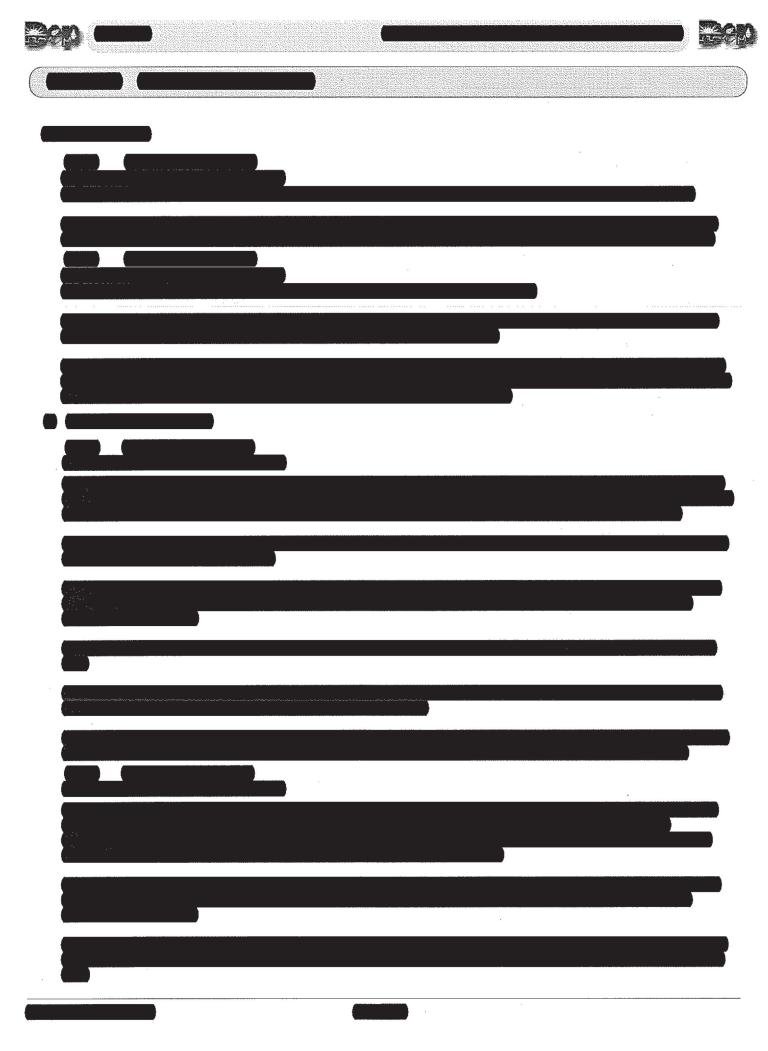
002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(b) The following NOx emission limits shall be used for the corresponding fuel type:

1 JEN 0 0 400 H ANTEL 400 1 1 H

Landfill Gas -- 0.100 lbs/MMBtu (30-day rolling average), in accordance with 25 Pa. Code § 129.99 (b).













012 [25 Pa. Code §127.441]

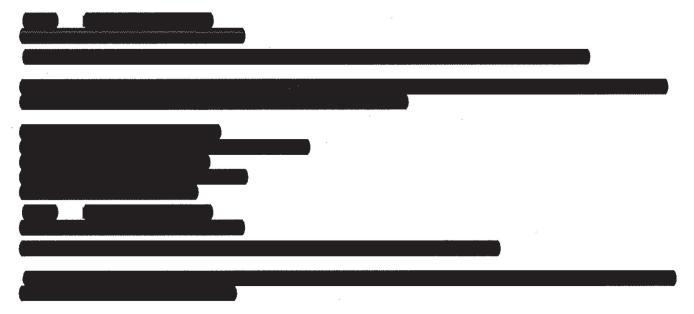
Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.100]

The owner or operator shall demonstrate compliance with the emission limitations under Condition #002, of this source, by operating a CEMS for NOx, in accordance with the following procedures:

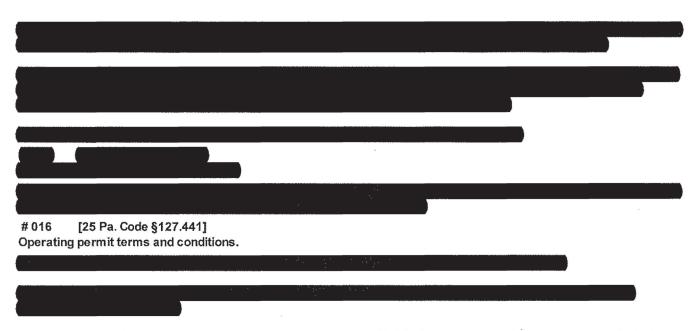
- (1) Monitoring and testing in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a 30-day rolling average.
- (i) A 30-day rolling average emission rate for an air contamination source that is a combustion unit shall be expressed in pounds per million Btu and calculated in accordance with the following procedure:
- (A) Sum the total pounds of pollutant emitted from the combustion unit for the current operating day and the previous 29 operating days.
- (B) Sum the total heat input to the combustion unit in million Btu for the current operating day and the previous 29 operating days.
- (C) Divide the total number of pounds of pollutant emitted by the combustion unit for the 30 operating days by the total heat input to the combustion unit for the 30 operating days.
- (ii) A 30-day rolling average emission rate for each applicable RACT emission limitation shall be calculated for an affected air contamination source for each consecutive operating day.
- (iii) Each 30-day rolling average emission rate for an affected air contamination source must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

IV. RECORDKEEPING REQUIREMENTS.









- (b) The permittee shall keep records to demonstrate compliance with § § 129.96—129.99, for NOx, as applicable, in the following manner:
- (1) The records must include sufficient data and calculations to demonstrate that the requirements of 25 Pa. Code § § 129.96—129.99, as applicable, are met.
- (2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.
- (3) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

