



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: September 17, 2019

Effective Date: October 1, 2019

Expiration Date: September 30, 2024

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

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

State Only Permit No: 67-05143

Synthetic Minor

Federal Tax Id - Plant Code: 33-0058470-1

Owner Information

Name: YORK PLT HOLDING LLC

Mailing Address: 651 MEMORY LN
YORK, PA 17402-2235

Plant Information

Plant: YORK PLT HOLDINGS LLC/SPRINGETTSBURY TWP

Location: 67 York County 67957 Springettsbury Township

SIC Code: 4931 Trans. & Utilities - Electric And Other Services Combined

Responsible Official

Name: GARY E PETERSEN

Title: FACILITY MGR

Phone: (717) 751 - 5125

Permit Contact Person

Name: GARY E PETERSEN

Title: FACILITY MGR

Phone: (717) 751 - 5125

[Signature] _____

WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



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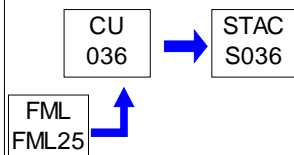
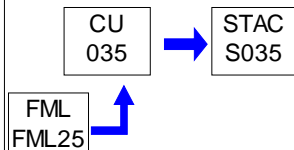
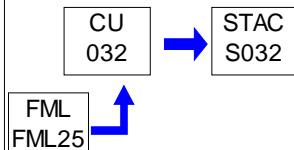
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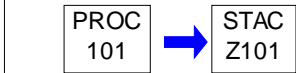
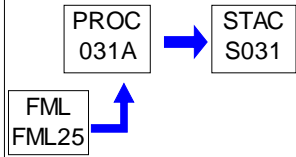
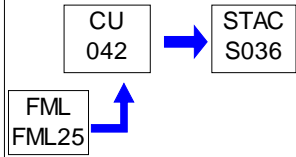
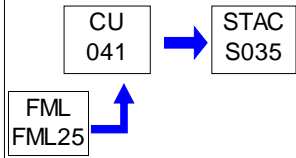
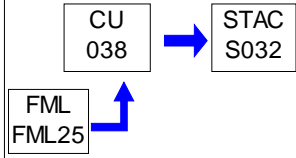
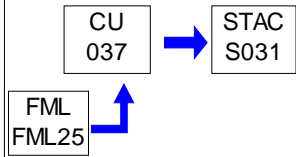
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
032	COMBUSTION TURBINE 2 W/DRY LOW NOX BURNERS	98.600 MMBTU/HR	
		110.000 MCF/HR	Natural Gas
035	COMBUSTION TURBINE 5 W/DRY LOW NOX BURNERS	98.600 MMBTU/HR	
		110.000 MCF/HR	Natural Gas
036	COMBUSTION TURBINE 6 W/DRY LOW NOX BURNERS	98.600 MMBTU/HR	
		110.000 MCF/HR	Natural Gas
037	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 1	19.800 MMBTU/HR	
		20.000 MCF/HR	Natural Gas
038	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 2	19.800 MMBTU/HR	
		20.000 MCF/HR	Natural Gas
041	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 5	19.800 MMBTU/HR	
		20.000 MCF/HR	Natural Gas
042	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 6	19.800 MMBTU/HR	
		20.000 MCF/HR	Natural Gas
031A	COMBUSTION TURBINE 1A W/DRY LOW NOX BURNERS	94.620 MMBTU/HR	
		95.000 MCF/HR	Natural Gas
101	REMOTE RESERVOIR COLD CLEANING MACHINE(S)	5.000 Lbs/HR	VOC
FML25	NATURAL GAS PIPELINE		
S031	TURBINE NO. 1/HRSG NO. 1 STACK		
S032	TURBINE NO. 2/HRSG NO. 2 STACK		
S035	TURBINE NO. 5/HRSG NO. 5 STACK		
S036	TURBINE NO. 6/HRSG NO. 6 STACK		
Z101	SOURCE 101 FUGITIVE EMISSIONS		

PERMIT MAPS

PERMIT MAPS

**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

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

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

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

#012 [25 Pa. Code § 127.441]**Severability Clause.**

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

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

#015 [25 Pa. Code § 127.11]**Reactivation**

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

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

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

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

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

#017 [25 Pa. Code § 121.9]**Circumvention.**

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION C. Site Level Requirements**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not allow 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 permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; 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**

The permittee shall not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Condition #001(a)-(f) of Section C if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.31]**Limitations**

The permittee shall not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the permittee's property.

004 [25 Pa. Code §123.41]**Limitations**

The permittee shall not allow 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 one hour.
- (b) Equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of Condition #004 of Section C shall not apply when:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) The emission results from sources specified in Condition #001(a)-(f) of Section C.

SECTION C. Site Level Requirements**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) 100 TPY of NO_x
- (b) 100 TPY of CO

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

The permittee shall not allow the open burning of material on the permittee's property except when the open burning operations result from:

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

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

009 [25 Pa. Code §139.1]**Sampling facilities.**

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

010 [25 Pa. Code §139.11]**General requirements.**

- (a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.
- (b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:
 - (1) A thorough source description, including a description of any air cleaning devices and the flue.
 - (2) Process conditions, for example, the fuel firing rate, power production rate, and other conditions which may affect emissions from the process.
 - (3) The location of the sampling ports.

**SECTION C. Site Level Requirements**

(4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂, and N₂), static and barometric pressures.

(5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.

(6) Laboratory procedures and results.

(7) Calculated results.

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

(a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g. Continuous Opacity Monitor).

(b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

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

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants. Weekly inspections are necessary to determine:

(a) The presence of visible emissions. Visible emissions may be measured according to the methods specified in Section C, Condition #011. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.

(b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Section C, Condition #002.

(c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003.

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

The permittee shall calculate monthly air emissions from the facility using AP-42 emission factors, manufacturer-supplied emission factors, performance (stack) test data, material balance, or other method(s) approved by the Department. This information shall be:

(a) Used to demonstrate compliance with Condition #006 of Section C.

(b) Included in the annual air emissions report referenced in Condition #018 of Section C.

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

(a) The permittee shall maintain records of the monthly usage of each fuel consumed at the entire facility.

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

**SECTION C. Site Level Requirements****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records of the weekly inspections referenced in Condition #012 of Section C. The records shall include, at a minimum, the following information:

- (1) The name of the company representative monitoring each inspection.
- (2) The date and time of each inspection.
- (3) The wind direction during each inspection.

(4) A description of the visible emissions, fugitive particulate matter emissions (beyond the plant property boundaries), and malodorous air contaminants (beyond the plant property boundaries) observed, if any, and actions taken to mitigate them. If no visible emissions or fugitive particulate matter emissions or malodors are observed, then document that none were observed.

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

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

(a) The permittee shall maintain records of the monthly air emissions referenced in Condition #013 of Section C.

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

V. REPORTING REQUIREMENTS.**# 017 [25 Pa. Code §127.442]****Reporting requirements.**

The permittee shall report malfunctions which occur at the facility to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that may result in an increase in air emissions above minor significance. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Air Quality Program at (717) 705-4886 during normal business hours, or to the Department's Emergency Hotline 866-825-0208 at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>.

- (1) The notice shall describe the:
 - (i) name and location of the facility;
 - (ii) nature and cause of the malfunction or breakdown;
 - (iii) time when the malfunction or breakdown was first observed;
 - (iv) expected duration of excess emissions; and
 - (v) estimated rate of emissions.
- (2) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.
- (3) The permittee shall submit a written report of instances of such malfunctions to the department, in writing, within three (3) days of the of the telephone report.
- (4) The owner or operator shall submit reports on the operation and maintenance of the source to the Regional Air

SECTION C. Site Level Requirements

Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of (a) above, shall be reported to the Department, in writing, within five (5) days of discovery of the malfunction.

(c) Malfunctions shall be reported to the Department at the following address:

PADEP
Air Quality District Supervisor
909 Elmerton Ave.
Harrisburg, PA 17110

018 [25 Pa. Code §135.3]**Reporting**

(a) An annual air emissions report for a given calendar year is due no later than March 1 of the following year and shall be submitted to the Air Quality District Supervisor at the following address, unless otherwise specified:

PADEP
York District Office
150 Roosevelt Avenue
York, PA 17401

(b) The following information shall be included in the report:

- (1) Monthly and annual air emissions (e.g. CO, NO_x, SO_x, VOC, PM-10, HAPs)
- (2) Air emission calculations (including emission factors used) as referenced in Conditions #013 and #016 of Section C
- (3) Monthly and annual fuel usage
- (4) Annual days and hours of operation

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

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, oil, water, or suitable chemicals 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.

020 [25 Pa. Code §127.444]**Compliance requirements.**

The permittee shall operate and maintain all sources and any air cleaning devices identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good

**SECTION C. Site Level Requirements**

operating practices.

VII. ADDITIONAL REQUIREMENTS.

021 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the PA Air Pollution Control Act.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

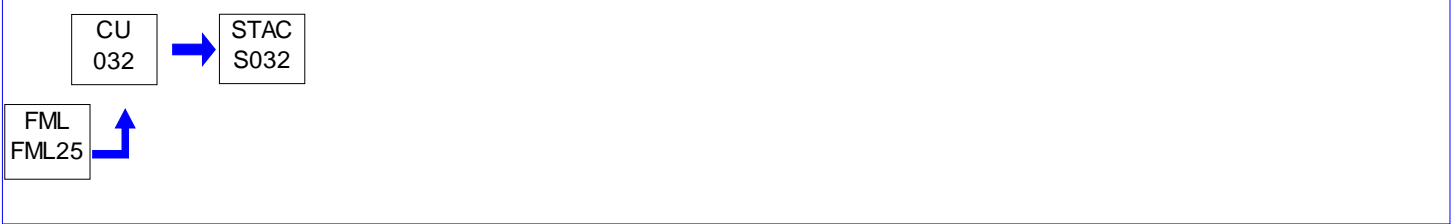
No compliance milestones exist.



SECTION D. Source Level Requirements

Source ID: 032 Source Name: COMBUSTION TURBINE 2 W/DRY LOW NOX BURNERS
Source Capacity/Throughput: 98.600 MMBTU/HR
110.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G01
G04
G05



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

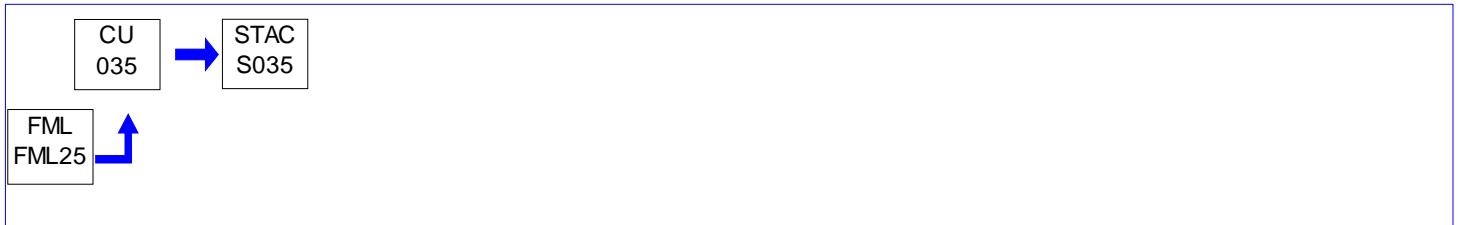
**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: COMBUSTION TURBINE 5 W/DRY LOW NOX BURNERS

Source Capacity/Throughput: 98.600 MMBTU/HR
110.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G01
G04
G05

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

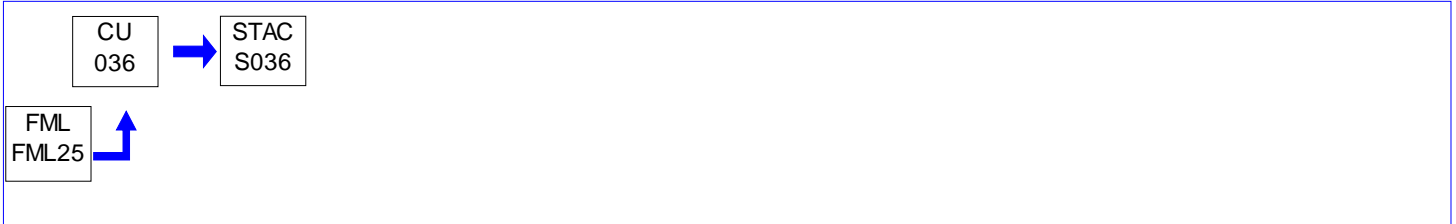
SECTION D. Source Level Requirements

Source ID: 036

Source Name: COMBUSTION TURBINE 6 W/DRY LOW NOX BURNERS

Source Capacity/Throughput: 98.600 MMBTU/HR
 110.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G01
 G04
 G05

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION D. Source Level Requirements

Source ID: 037

Source Name: HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 1

Source Capacity/Throughput: 19.800 MMBTU/HR
20.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G02
G06



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION D. Source Level Requirements

Source ID: 038 Source Name: HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 2
Source Capacity/Throughput: 19.800 MMBTU/HR
20.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G02
G06



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

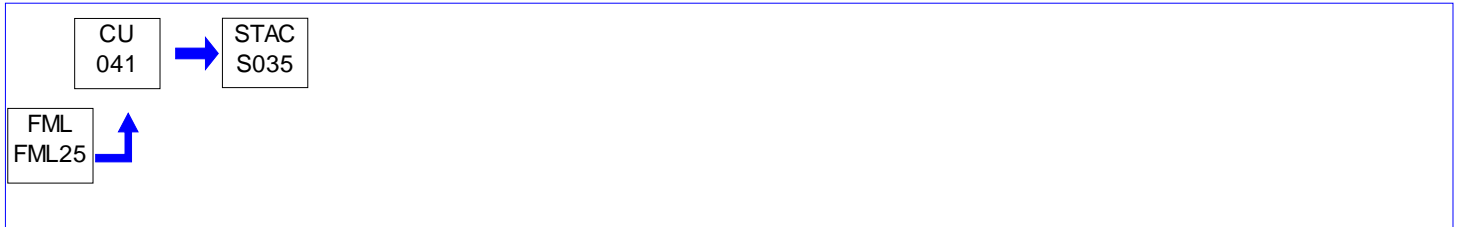
**SECTION D. Source Level Requirements**

Source ID: 041

Source Name: HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 5

Source Capacity/Throughput: 19.800 MMBTU/HR
20.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G02
G06

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 042

Source Name: HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 6

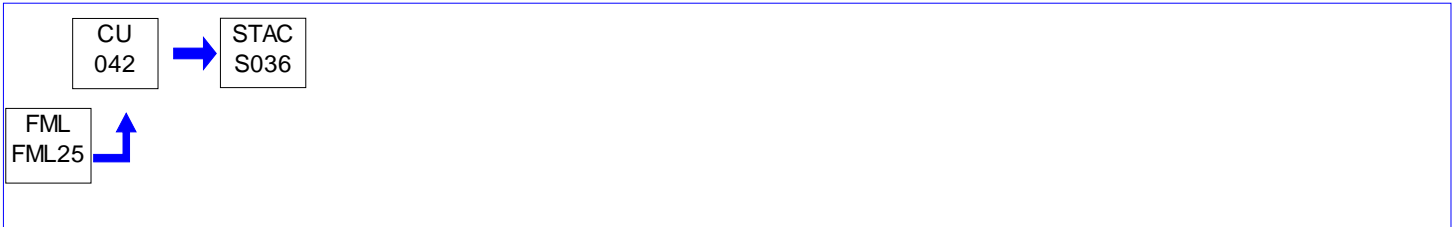
Source Capacity/Throughput:

19.800 MMBTU/HR

20.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: G02
G06

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



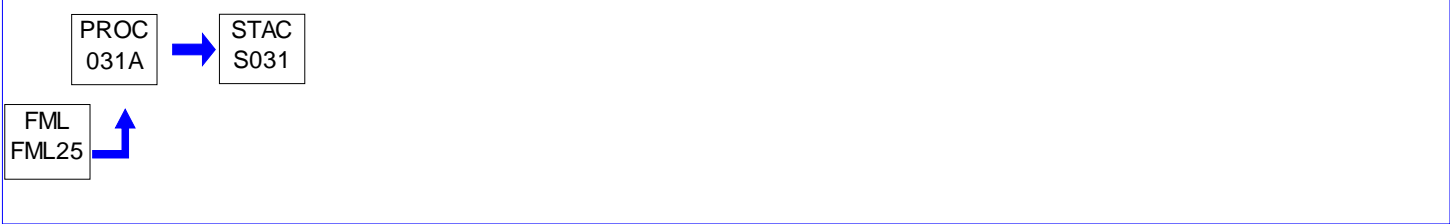
SECTION D. Source Level Requirements

Source ID: 031A

Source Name: COMBUSTION TURBINE 1A W/DRY LOW NOX BURNERS

Source Capacity/Throughput: 94.620 MMBTU/HR
95.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G01
G04
G05



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

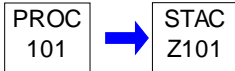
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 101

Source Name: REMOTE RESERVOIR COLD CLEANING MACHINE(S)

Source Capacity/Throughput: 5.000 Lbs/HR VOC

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

(a) After December 22, 2002, the permittee may not use in Source ID 101 any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) This permit condition does not apply:

(1) If Source ID 101 is used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall maintain the following records on and after December 22, 2002:

- (a) The name and address of the solvent supplier.
- (b) The type of solvent including the product or vendor identification number.
- (c) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other

**SECTION D. Source Level Requirements**

appropriate documentation acceptable to the Department may be used to comply with this section.

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

V. REPORTING REQUIREMENTS.

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

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

Source ID 101 shall be equipped with one of the following:

- (a) A cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent.
- (b) A perforated drain with a diameter of not more than six (6) inches, if Source ID 101 drains directly into the solvent storage reservoir.

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

The permittee shall operate Source ID 101 in accordance with the following procedures:

- (a) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (b) Flushing of parts using a flexible hose or other flushing device shall be performed only within Source ID 101. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in Source ID 101.
- (d) Air-agitated solvent baths may not be used.
- (e) Spills during solvent transfer and use of Source ID 101 shall be cleaned up immediately.

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

Source ID 101 shall have a permanent, conspicuous label summarizing the operating requirements in Condition #004, below. In addition, the label shall include the following discretionary good operating practices:

- (a) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to Source ID 101.
- (b) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- (c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

VII. ADDITIONAL REQUIREMENTS.**# 006 [25 Pa. Code §129.63]****Degreasing operations**

All of the aforementioned permit conditions apply to Source ID 101 so long as the cold cleaning machine uses 2 gallons or



SECTION D. Source Level Requirements

more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

**SECTION E. Source Group Restrictions.**

Group Name: G01

Group Description: FOUR NATURAL GAS TURBINE UNITS

Sources included in this group

ID	Name
031A	COMBUSTION TURBINE 1A W/DRY LOW NOX BURNERS
032	COMBUSTION TURBINE 2 W/DRY LOW NOX BURNERS
035	COMBUSTION TURBINE 5 W/DRY LOW NOX BURNERS
036	COMBUSTION TURBINE 6 W/DRY LOW NOX BURNERS

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

001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from each Group G01 turbine exhaust shall not exceed 0.04 grain per dry standard cubic foot.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate each Group G01 turbine using natural gas fuel only.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined operation of the four Group G01 turbines shall not exceed 11,000 hours during any consecutive 12-month period.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The operation of evaporative cooling shall not exceed 1700 hours per turbine during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.11]

General requirements.

(a) At least 180 days prior to the expiration date of this operating permit, or as otherwise approved in writing by the Department, the permittee shall conduct three (3) runs of nitrogen oxides (NOx) emissions testing for each Group G01 turbine pursuant to Chapter 139 of the rules and regulations of the Department and 40 CFR Part 60, Subpart GG. EPA Reference Method 20 or another Method approved by the Department shall be used. NOx emissions shall be reported in terms of nitrogen dioxide (NO₂). The tests shall be performed while the turbines are operated at 100% load, 83% load, 67% load, and 50% load.

(b) Pursuant to 25 Pa. Code § 139.3 at least 90 calendar days prior to commencing an emissions testing program, unless otherwise approved in writing by DEP, a test protocol shall be submitted to the Department for review and approval. Unless otherwise approved in writing by DEP, the permittee shall not conduct the test that is the subject of the protocol, until the protocol has been approved by DEP.

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

**SECTION E. Source Group Restrictions.**

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

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

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

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

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

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

(i) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, one digital copy of each submittal shall be made to each of the following:

Regional Office:

Digital copy: RA-epsctesttesting@pa.gov

Bureau of Air Quality:

Digital copy: RA-epstacktesting@pa.gov

(i)(1) A complete paper copy of each submittal shall be made to PA DEP, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468.

(i)(2) A paper copy of (only) the cover letter/page (for both protocols and reports) and summary table (for reports only), of each submittal shall be made to Program Manager, Air Quality Program, PA DEP Southcentral Regional Office, 909 Elmerton Avenue, Harrisburg, PA 17110.

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

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.**

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

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

The permittee shall monitor and keep records of the following on a monthly and 12-month rolling basis to demonstrate compliance with Condition #003, Source Group G01:

- (a) Hours of operation for each turbine.
- (b) Combined hours of operation for all four turbines.

These records shall be maintained on-site for the most recent five-year period and made available to Department representatives upon request.

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

The hours of evaporative cooling operation for each turbine shall be recorded on a monthly and 12-month rolling basis to demonstrate compliance with Condition #004, Source Group G01.

These records shall be maintained on-site for the most recent five-year period and made available to Department representatives upon request.

V. REPORTING REQUIREMENTS.**# 008 [25 Pa. Code §135.3]****Reporting**

The permittee shall submit the following information in the annual air emissions report referenced in Condition #018 of Section C for each Group G01 turbine:

- (a) Monthly and annual fuel usage
- (b) Monthly and annual air emissions
- (c) Monthly and annual days and hours of operation
- (d) Monthly and annual hours of evaporative cooling operation per turbine
- (e) Air emission calculations (including emission factors used)

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain each Group G01 turbine in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: G02

Group Description: FOUR HEAT RECOVERY STEAM GENERATORS

Sources included in this group

ID	Name
037	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 1
038	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 2
041	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 5
042	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 6

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from any of the individual Group G02 heat recovery steam generators in a manner that the concentration of PM in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides from any of the individual Group G02 heat recovery steam generators in a manner that the concentration of the sulfur oxides (expressed as SO₂) in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate each Group G02 heat recovery steam generator using natural gas only.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined operation of the four Group G02 heat recovery steam generators shall not exceed 11,000 hours during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use a Predictive Emissions Monitoring System (PEMS) to predict and monitor each Group G02 heat recovery steam generator's burner firing rate and operating hours.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor and keep records of the following on a monthly and 12-month rolling basis to demonstrate compliance with Condition #004, Source Group G02:

(a) Hours of operation for each heat recovery steam generator.

**SECTION E. Source Group Restrictions.**

(b) Combined hours of operation for all four heat recovery steam generators.

These records shall be maintained on-site for the most recent five-year period and made available to Department representatives upon request.

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

(a) The permittee shall keep records of the information described in Condition #005, above.

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

V. REPORTING REQUIREMENTS.**# 008 [25 Pa. Code §135.3]****Reporting**

The permittee shall submit the following information in the annual air emissions report referenced in Condition #018 of Section C for each Group G02 heat recovery steam generator:

- (a) Monthly and annual fuel usage
- (b) Monthly and annual air emissions
- (c) Monthly and annual days and hours of operation
- (d) Air emission calculations (including emission factors used)

This information may be combined with each boiler's corresponding Group G01 turbine.

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this permit condition is also derived from Plan Approval No. 67-2009]

The permittee shall operate and maintain each Group G02 heat recovery steam generator in accordance with the manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: G04

Group Description: 40 CFR Part 60, Subpart GG Requirements

Sources included in this group

ID	Name
031A	COMBUSTION TURBINE 1A W/DRY LOW NOX BURNERS
032	COMBUSTION TURBINE 2 W/DRY LOW NOX BURNERS
035	COMBUSTION TURBINE 5 W/DRY LOW NOX BURNERS
036	COMBUSTION TURBINE 6 W/DRY LOW NOX BURNERS

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this operating permit condition is also derived from RACT Plan Approval No. 67-2009]

(a) The NOx emissions from each Group G01 turbine shall not exceed an average level of 42 ppmvd corrected to 15 percent oxygen at full load.

(b) Compliance with the NOx emission limitation in part (a), above, shall be demonstrated through performance (stack) testing.

[Compliance with the requirement(s) specified in this streamlined plan approval condition assures compliance with the NOx emission limit specified in 40 CFR Part 60, Section 60.332(a)(2)]

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.330]**Subpart GG - Standards of Performance for Stationary Gas Turbines****Applicability and designation of affected facility.**

60.330(a) : The provisions of this subpart are applicable to the following affected facilities: All stationary gas turbines with a heat input at peak load equal to or greater than 10.7 gigajoules (10 million Btu) per hour, based on the lower heating value of the fuel fired.

60.330(b): Any facility under paragraph (a) of this section which commences construction, modification, or reconstruction after October 3, 1977, is subject to the requirements of this part except as provided in paragraphs (e) and (j) of §60.332.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.332]**Subpart GG - Standards of Performance for Stationary Gas Turbines****Standard for nitrogen oxides.**

60.332(a) : On and after the date on which the performance test required by §60.8 is completed, every owner or operator subject to the provisions of this subpart as specified in paragraphs (b), (c), and (d) of this section shall comply with one of the following, except as provided in paragraphs (e), (f), (g), (h), (i), (j), (k), and (l) of this section.

60.332(a)(1) : N/A. HEAT INPUT LESS THAN 100 MMBTU/HR

60.332(a)(2) : No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of:

$$\text{STD} = 0.0150 (14.4) / Y + F$$

where:

STD = allowable ISO corrected (if required as given in § 60.335(b)(1)) NOx emission concentration (percent by volume at 15 percent oxygen and on a dry basis),

**SECTION E. Source Group Restrictions.**

Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour), or actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour, and

F = NOx emission allowance for fuel-bound nitrogen as defined in paragraph (a)(4) of this section.

[NOTE: COMPLIANCE WITH THE LIMIT ESTABLISHED PURSUANT TO THE RACT DETERMINATION AS SPECIFIED IN CONDITION #001 OF SOURCE GROUP G04 ASSURES COMPLIANCE WITH THE NOx LIMIT SPECIFIED IN 40 CFR PART 60, SECTION 60.332(a)(2)]

60.332(a)(3) : N/A. 'F' FACTOR IS ZERO. NO NOx ALLOWANCE.

60.332(a)(4): N/A. 'F' FACTOR IS ZERO. NO NOx ALLOWANCE FOR FUEL-BOUND NITROGEN.

60.332(b): N/A. HEAT INPUT BASED ON LOWER HEATING VALUE FOR EACH TURBINE IS LESS THAN 100 MMBTU/HR.

60.332(c): Turbine with heat input greater than 10 mmbtu/hr but less than or equal to 100 mmbtu/hr based on lower heating value of the fuel fired, shall comply with the provisions of paragraph (a)(2) of this section.

60.332(d): N/A. COVERED BY ABOVE 60.332(c).

60.332(e): N/A. NOT EXEMPT FROM PARAGRAPH (a) SINCE TURBINES WERE CONSTRUCTED AFTER OCTOBER 3, 1982.

60.332(f): N/A. NO WATER OR STEAM INJECTION.

60.332(g): N/A. TURBINES ARE NOT EMERGENCY, FOR MILITARY USE OR FIRE FIGHTING GAS TURBINES.

60.332(h): N/A. TURBINES ARE NOT FOR RESEARCH & DEVELOPMENT.

60.332(i): N/A. NO MANDATORY WATER RESTRICTION AREA.

60.332(j): N/A. TURBINES WERE NOT CONSTRUCTED, MODIFIED OR RECONSTRUCTED BETWEEN 1977 AND 1982.

60.332(k): N/A. TURBINES DO NOT COMBUST ANY EMERGENCY FUEL.

60.332(l): N/A. TURBINES ARE NOT THE REGENERATIVE CYCLE GAS TURBINES.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.333]**Subpart GG - Standards of Performance for Stationary Gas Turbines****Standard for sulfur dioxide.**

On and after the date on which the performance test required to be conducted by §60.8 is completed, every owner or operator subject to the provision of this subpart shall comply with one or the other of the following conditions:

60.333(a) : No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine any gases which contain sulfur dioxide in excess of 0.015 percent by volume at 15 percent oxygen and on a dry basis.

60.333(b) : No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

II. TESTING REQUIREMENTS.**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.335]****Subpart GG - Standards of Performance for Stationary Gas Turbines****Test methods and procedures.**

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60.335(a)

The owner or operator shall conduct the performance tests required in § 60.8, using either

60.335(a)(1)

EPA Method 20,

60.335(a)(2)

ASTM D6522–00 (incorporated by reference, see § 60.17), or

60.335(a)(3)

EPA Method 7E and either EPA Method 3 or 3A in appendix A to this part, to determine NOX and diluent concentration.

60.335(a)(4)

Sampling traverse points are to be selected following Method 20 or Method 1, (non-particulate procedures) and sampled for equal time intervals. The sampling shall be performed with a traversing single-hole probe or, if feasible, with a stationary multi-hole probe that samples each of the points sequentially. Alternatively, a multi-hole probe designed and documented to sample equal volumes from each hole may be used to sample simultaneously at the required points.

60.335(a)(5)

Notwithstanding paragraph (a)(4) of this section, the owner or operator may test at few points than are specified in Method 1 or Method 20 if the following conditions are met:

60.335(a)(5)(i)

You may perform a stratification test for NOX and diluent pursuant to

60.335(a)(5)(i)(A)

[Reserved]

60.335(a)(5)(i)(B)

The procedures specified in section 6.5.6.1(a) through (e) appendix A to part 75 of this chapter.

60.335(a)(5)(ii)

Once the stratification sampling is completed, the owner or operator may use the following alternative sample point selection criteria for the performance test:

60.335(a)(5)(ii)(A)

If each of the individual traverse point NOX concentrations, normalized to 15 percent O₂, is within ± 10 percent of the mean normalized concentration for all traverse points, then you may use 3 points (located either 16.7, 50.0, and 83.3 percent of the way across the stack or duct, or, for circular stacks or ducts greater than 2.4 meters (7.8 feet) in diameter, at 0.4, 1.2, and 2.0 meters from the wall). The 3 points shall be located along the measurement line that exhibited the highest average normalized NOX concentration during the stratification test; or

60.335(a)(5)(ii)(B)

If each of the individual traverse point NOX concentrations, normalized to 15 percent O₂, is within ± 5 percent of the mean normalized concentration for all traverse points, then you may sample at a single point, located at least 1 meter from the

**SECTION E. Source Group Restrictions.**

stack wall or at the stack centroid.

60.335(a)(6)

Other acceptable alternative reference methods and procedures are given in paragraph (c) of this section.

60.335(b)

The owner or operator shall determine compliance with the applicable nitrogen oxides emission limitation in § 60.332 and shall meet the performance test requirements of § 60.8 as follows:

60.335(b)(1)

For each run of the performance test, the mean nitrogen oxides emission concentration (NOX_o) corrected to 15 percent O₂ shall be corrected to ISO standard conditions using the following equation. Notwithstanding this requirement, use of the ISO correction equation is optional for: Lean premix stationary combustion turbines; units used in association with heat recovery steam generators (HRSG) equipped with duct burners; and units equipped with add-on emission control devices:

$$\text{NOX} = (\text{NOX}_o) \left(\frac{P_r}{P_o} \right)^{0.5} e^{19} (H_o - 0.00633) (288^\circ \text{ K} / T_a)^{1.53}$$

Where:

NOX= emission concentration of NOX at 15 percent O₂ and ISO standard ambient conditions, ppm by volume, dry basis,

NOX_o= mean observed NOX concentration, ppm by volume, dry basis, at 15 percent O₂,

P_r= reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg,

P_o= observed combustor inlet absolute pressure at test, mm Hg,

H_o= observed humidity of ambient air, g H₂O/g air,

e = transcendental constant, 2.718, and

T_a= ambient temperature, ° K.

60.335(b)(2) N/A 3-RUN PERFORMANCE TESTING LOAD POINTS SPECIFIED IN CONDITION #003(a), GROUP G01. OIL AND BACKUP FUELS NOT USED

60.335(b)(3)

For a combined cycle turbine system with supplemental heat (duct burner), the owner or operator may elect to measure the turbine NOX emissions after the duct burner rather than directly after the turbine. If the owner or operator elects to use this alternative sampling location, the applicable NOX emission limit in Condition #001, Group G04 [LIMITS SPECIFIED BY 60.332 ARE SUPERSEDED BY THE LIMITS ESTABLISHED IN CONDITION #001] for the combustion turbine must still be met.

60.335(b)(4) N/A WATER OR STEAM INJECTION NOT USED

60.335(b)(5) N/A EMISSION ALLOWANCE FOR FUEL BOUND NITROGEN NOT USED

60.335(b)(6) N/A CEMS IS NOT USED

60.335(b)(7) N/A CEMS IS NOT USED

60.335(b)(8) N/A 60.334(f) IS NOT APPLICABLE - TURBINES CONSTRUCTED BEFORE JULY 8, 2004

**SECTION E. Source Group Restrictions.**

60.335(b)(9) N/A FUEL BOUND NITROGEN EMISSION ALLOWANCE IS NOT USED

60.335(b)(10) N/A NOT SUBJECT TO FUEL SULFUR MONITORING

60.335(b)(11) N/A NOT SUBJECT TO FUEL SULFUR MONITORING

60.335(c)

The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

60.335(c)(1)

Instead of using the equation in paragraph (b)(1) of this section, manufacturers may develop ambient condition correction factors to adjust the nitrogen oxides emission level measured by the performance test as provided in § 60.8 to ISO standard day conditions.

III. MONITORING REQUIREMENTS.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.13]

Subpart A - General Provisions

Monitoring requirements.

Applicable 40 CFR 60.13(h) requirements:

(a) 1-hour NO_x emission averages shall be computed as follows:

(1) Except as provided in part (a)(3) of this condition, below, for a full operating hour (any clock hour with 60 minutes of unit operation), at least four valid data points are required to calculate the hourly average (i.e., one data point in each of the 15-minute quadrants of the hour).

(2) Except as provided in part (a)(3) of this condition, below, for a partial operating hour (any clock hour with less than 60 minutes of unit operation), at least one valid data point in each 15-minute quadrant of the hour in which the unit operates is required to calculate the hourly average.

(3) For any operating hour in which required maintenance or quality assurance activities are performed:

(i) If the unit operates in two or more quadrants of the hour, a minimum of two valid data points, separated by at least 15 minutes, is required to calculate the hourly average; or

(ii) If the unit operates in only one quadrant of the hour, at least one valid data point is required to calculate the hourly average.

(4) If a daily calibration error check is failed during any operating hour, all data for that hour shall be invalidated, unless a subsequent calibration error test is passed in the same hour and the requirements of part (a)(3) of this condition, above, are met, based solely on valid data recorded after the successful calibration.

(5) For each full or partial operating hour, all valid data points shall be used to calculate the hourly average.

(6) Except as provided in part (a)(7) of this condition, below, data recorded during periods of PEMS breakdown, repair, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this permit condition.

(7) The permittee must include any data recorded during periods of PEMS breakdown or malfunction in the data averages.

(8) Either arithmetic or integrated averaging of all data may be used to calculate the hourly averages. The data may be recorded in reduced or non-reduced form.

**SECTION E. Source Group Restrictions.**

(b) All excess NO_x emissions shall be converted into units of the standard using the applicable conversion procedures. After conversion into units of the standard, the data may be rounded to the same number of significant digits used to specify the NO_x emission limit.

[40 CFR Part 60, Section 60.13(h)]

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]
Subpart GG - Standards of Performance for Stationary Gas Turbines
Monitoring of operations.**

60.334(a) and (b) : N/A. TURBINES DO NOT USE WATER OR STEAM INJECTION.

60.334(c) : For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which does not use steam or water injection to control NO_x emissions, the owner or operator may, but is not required to, for purposes of determining excess emissions, use a CEMS that meets the requirements of paragraph (b) of this section. Also, if the owner or operator has previously submitted and received EPA, State, or local permitting authority approval of a procedure for monitoring compliance with the applicable NO_x emission limit under § 60.332, that approved procedure may continue to be used. [PREDICTIVE EMISSIONS MONITORING SYSTEM (PEMS) IS USED AS SPECIFIED IN CONDITION #008 OF SOURCE GROUP G04, SECTION E]

60.334(d) : N/A. TURBINES DO NOT USE WATER OR STEAM INJECTION AND WERE CONSTRUCTED BEFORE JULY 8, 2004.

60.334(e) : N/A. TURBINES CONSTRUCTED BEFORE JULY 8, 2004.

60.334(f) : N/A. TURBINES CONSTRUCTED BEFORE JULY 8, 2004.

60.334(g) : N/A. BECAUSE (a), (d), AND (f) ARE N/A.

60.334(h)

The owner or operator of any stationary gas turbine subject to the provisions of this subpart:

60.334(h)(1) N/A FUEL SULFUR MONITORING NOT REQUIRED SINCE FACILITY IS COMPLYING WITH 60.334(h)(3)

60.334(h)(2) N/A ALLOWANCE FOR FUEL BOUND NITROGEN NOT USED, I.E., F-VALUE = 0

60.334(h)(3)

Notwithstanding the provisions of paragraph (h)(1) of this section, the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in § 60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration:

60.334(h)(3)(i)

The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or

60.334(h)(3)(ii) N/A FACILITY IS COMPLYING WITH 60.334(h)(3)(i)

60.334(h)(4) : N/A. NO CUSTOM FUEL MONITORING SCHEDULE.

60.334(i) : The frequency of determining the sulfur and nitrogen content of the fuel shall be as follows:

60.334(i)(1) : N/A. FUEL OIL NOT USED

**SECTION E. Source Group Restrictions.**

60.334(i)(2) N/A FACILITY IS COMPLYING WITH 60.334(h)(3)

60.334(i)(3) N/A FACILITY IS COMPLYING WITH 60.334(h)(3)

60.334(j)

For each affected unit that elects to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content or fuel nitrogen content under this subpart, the owner or operator shall submit reports of excess emissions and monitor downtime, in accordance with Condition #011, Group G04 [§ 60.7(c)]. Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under § 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined in Condition #010, Group G04.

60.334(j)(1)

Nitrogen oxides.

60.334(j)(1)(i) N/A TURBINES ARE NOT USING WATER OR STEAM INJECTION

60.334(j)(1)(ii) N/A FACILITY IS NOT TAKING AN EMISSION ALLOWANCE FOR FUEL BOUND NITROGEN

60.334(j)(1)(iii) N/A NOT USING CEMS.

60.334(j)(1)(iv) N/A TURBINES NOT COVERED UNDER PARAGRAPH (f)

60.334(j)(2) N/A FUEL SULFUR MONITORING NOT REQUIRED SINCE FACILITY IS COMPLYING WITH 60.334(h)(3)

60.334(j)(3) Ice fog. N/A TURBINES NOT USING WATER OR STEAM INJECTION

60.334(j)(4) Emergency fuel. N/A EMERGENCY FUEL IS NOT USED

60.334(j)(5)

All reports required under § 60.7(c) shall be postmarked by the 30th day following the end of each 6-month period.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]

Subpart GG - Standards of Performance for Stationary Gas Turbines

Monitoring of operations.

[Additional authority for this operating permit condition is also derived from RACT Plan Approval No. 67-2009]

(a) The permittee shall use a Predictive Emissions Monitoring System (PEMS) to predict and monitor each Group G04 turbine's NOx emissions based on measured ambient and turbine operating parameters.

(b) The permittee shall monitor the following process parameters for each Group G04 turbine:

- (1) Operating temperature
- (2) Operating capacity and load
- (3) Fuel firing rate
- (4) Operating hours

[40 CFR Part 60, Section 60.334(c)]

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

**SECTION E. Source Group Restrictions.**

(a) The permittee shall keep records of the PEMS information for each Group G04 turbine, as specified in Condition #008(b), above.

(b) The permittee shall maintain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]****Subpart GG - Standards of Performance for Stationary Gas Turbines****Monitoring of operations.**

The permittee shall submit reports of excess NO_x emissions (as determined by PEMS) and PEMS downtime in accordance with Condition #011, Group G04, below [the applicable 40 CFR 60.7(c) requirements]. Excess NO_x emissions shall be reported for all periods of Group G04 turbine operation, including startup, shutdown and malfunction.

[Additional authority for this condition is also derived from RACT Plan Approval No. 67-2009]

[40 CFR Part 60, Section 60.334(j)]

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]**Subpart A - General Provisions****Notification and record keeping.**

Applicable 40 CFR 60.7(c) requirements:

(a) The permittee shall submit an excess NO_x emissions and PEMS performance report and/or a summary report form [see part (b) of this condition, below] to the Administrator semiannually, except when the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the Group G04 turbines. All reports shall be postmarked by the 30th day following the end of each reporting period. Written reports of excess NO_x emissions shall include the following information:

(1) The magnitude of excess emissions computed in accordance with Condition #006, Group G04 [40 CFR 60.13(h)], above, any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess NO_x emissions. The process operating time during the reporting period.

(2) Specific identification of each period of excess NO_x emissions that occurs during startups, shutdowns, and malfunctions of the Group G04 turbines. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.

(3) The date and time identifying each period during which the PEMS was inoperative except for zero and span checks and the nature of the system repairs or adjustments.

(4) When no excess NO_x emissions have occurred or the PEMS has not been inoperative, repaired, or adjusted, such information shall be stated in the report.

(b) The summary report form shall contain the information and be in the format shown in Figure 1, below, unless otherwise specified by the Administrator.

(1) If the total duration of excess NO_x emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and PEMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) of this condition, above, need not be submitted unless requested by the Administrator.

(2) If the total duration of excess NO_x emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total PEMS downtime for the reporting period is 5 percent or greater of the total operating time for



SECTION E. Source Group Restrictions.

the reporting period, the summary report form and the excess NOx emission report described in 40 CFR 60.7(c) of this condition, above, shall both be submitted.

Figure 1--Summary Report-- NOx Excess Emission and PEMS Performance

Pollutant: NOx
Reporting period dates: From <begin date> to <end date>
Company:
NOx Emission Limitation: 42 ppmvd corrected to 15 percent oxygen at full load
Address:
PEMS Manufacturer and Model No.:
Date of Latest PEMS Certification or Audit:
Process Unit(s) Description:
Total source operating time in reporting period (hours):

Emission Data Summary

- 1. Duration of excess NOx emissions in reporting period due to:
 - (a) Startup/shutdown
 - (b) Process problems
 - (c) Other known causes
 - (d) Unknown causes
- 2. Total duration of excess NOx emissions (hours):
- 3. Total duration of excess NOx emissions (as a percent of total source operating time):

PEMS Performance Summary

- 1. PEMS downtime in reporting period due to:
 - (a) Monitor equipment malfunctions
 - (b) Non-Monitor equipment malfunctions
 - (c) Quality assurance calibration
 - (d) Other known causes
 - (e) Unknown causes
- 2. Total PEMS Downtime (hours)
- 3. Total PEMS Downtime (as a percent of total source operating time)

On a separate page, describe any changes since the last reporting period in the process or the PEMS. I certify that the information contained in this report is true, accurate, and complete.

Name

Signature

Title

Date

[40 CFR Part 60, Section 60.7(c) & 40 CFR Part 60, Section 60.7(d)]

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

The Group G01 turbines are subject to 40 CFR Part 60, Subpart GG - Standards of performance for Stationary Gas Turbines, as well as all applicable portion of General Provisions of Subpart A. The permittee shall comply with 40 CFR §60.4, which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

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

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

**SECTION E. Source Group Restrictions.**

Group Name: G05

Group Description: Presumptive RACT Affected Sources Pursuant to § 129.97(g)(2)(i)

Sources included in this group

ID	Name
031A	COMBUSTION TURBINE 1A W/DRY LOW NOX BURNERS
032	COMBUSTION TURBINE 2 W/DRY LOW NOX BURNERS
035	COMBUSTION TURBINE 5 W/DRY LOW NOX BURNERS
036	COMBUSTION TURBINE 6 W/DRY LOW NOX BURNERS

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97, the permittee may not cause, allow or permit NO_x to be emitted from any Group G05 combustion turbine in excess of 42 ppmvd NO_x @ 15% oxygen.

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100, compliance with the NO_x emission limitation in Condition 001, above, shall be demonstrated through a Department-approved emissions source test as specified in Condition 005 of Group G01, Section E.

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 the permittee shall keep records to demonstrate compliance with §§ 129.96—129.99 in the following manner:

- (1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 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.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100, 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.

V. REPORTING REQUIREMENTS.

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



SECTION E. Source Group Restrictions.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: G06

Group Description: Presumptive RACT Affected Sources Pursuant to § 129.97(c)(3)

Sources included in this group

ID	Name
037	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 1
038	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 2
041	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 5
042	HEAT RECOVERY STEAM GENERATOR (HRSG) NO. 6

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100 the permittee shall keep records to demonstrate compliance with §§ 129.96—129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 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.

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

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.100, 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.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Reasonably Available Control Technology (RACT) provisions of §§129.96 and 129.97, the permittee shall install, maintain and operate each of the above sources in accordance with the manufacturer's specifications and with good operating practices.



SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.

This operating permit replaces and supersedes Title V Permit 67-05009.

The capacities (mmBTU/hr and MCF/hr) of the 4 combustion turbines (Source IDs 031A, 032, 035, 036) and the 4 heat recovery steam generators (Source IDs 037, 038, 041, 042) listed in Section A of this operating permit represent their lower heating values (LHVs).

The following pertains to Emission Reduction Credit (ERC) Approval No. ER-67-05009A:

1. ERC Approval No. ER-67-05009A was issued on April 25, 2007 for Turbine No. 4 (Source ID 034; Shutdown Date = December 15, 2004) at York Plant Holding LLC's York Plant located at Industrial Highway off of Mt. Zion Road in Springettsbury Township, York County.
2. York Plant Holding LLC is granted 7.35 tons per year (TPY) of NOx ERCs from the shutdown of Turbine No. 4 (Source ID 034).
3. Pursuant to the provisions of 25 Pa. Code Section 127.206(f), the NOx ERCs created from the shutdown of the aforementioned source shall expire if not consumed within 10 years from the source shutdown date.
4. These ERCs may be used, traded or sold after the approved entry of the ERCs by the Department in the Pennsylvania ERC Registry.
5. York Plant Holding LLC and any subsequent user of these ERCs shall comply with the requirements of 25 Pa. Code Sections 127.206 - 127.209.

The following activities/sources have been exempted from work practice standards, and testing, monitoring, record keeping, and reporting requirements:

- Cooling Towers
- Water Treatment Building Natural Gas-Fired Heated Make-Up Air Unit
- Natural Gas-Fired Unit Heater in Storeroom
- Natural Gas-Fired Unit Heater in Shop
- Power Washer, Hot Water, Kerosene-Fired
- Portable Space Heater, Kerosene-Fired Forced Air
- Portable Space Heater, Kerosene-Fired Forced Air
- Portable Space Heater, Propane-Fired Forced Air
- Portable Space Heater, Propane-Fired Forced Air
- Welder/Generator, Gasoline-Fired (11 Kw)

- * Group G01 consists of four natural gas turbines (Source ID Nos. 031A, 032, 035 and 036).
- * Group G02 consists of four heat recovery steam generators (Source ID Nos. 037, 038, 041 and 042).
- * Group G04 consists of 40 CFR Part 60, Subpart GG Requirements for four natural gas turbines (Source ID Nos. 031A, 032, 035 and 036).
- * Group G05 consists of presumptive RACT requirements pursuant to § 129.97(g)(2)(i) for four natural gas turbines (Source ID Nos. 031A, 032, 035 and 036).
- * Group G06 consists of presumptive RACT requirements pursuant to § 129.97(c)(3) for four heat recovery steam generators (Source ID Nos. 037, 038, 041 and 042).



SECTION H. Miscellaneous.

The following serves as a description of the Source IDs:

Source IDs 032, 035 and 036 were previously the subject of Operating Permit No. 67-328-001.

Source IDs 032, 035, 036, 037, 038, 041, 042, 043, and 044 were previously the subject of Plan Approval No. 67-2009.

Source IDs 032, 035 and 036 were previously the subject of Compliance Permit No. CP-67-2009.



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