



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: March 18, 2013 Effective Date: March 16, 2018
Revision Date: March 16, 2018 Expiration Date: ~~March 21, 2018~~
Revision Type: Modification

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

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

TITLE V Permit No: 22-05010

Federal Tax Id - Plant Code: 72-0378240-7

Owner Information

Name: TEXAS EASTERN TRANS LP
Mailing Address: PO BOX 1642
HOUSTON, TX 77251-1642

Plant Information

Plant: TEXAS EASTERN TRANS/GRANTVILLE
Location: 22 Dauphin County 22913 East Hanover Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: THOMAS V WOODEN
Title: VP
Phone (713) 627 - 5300

Permit Contact Person

Name: REAGAN M MAYCES
Title: EHS MGR US OPS
Phone: (713) 627 - 4790

[Signature] William R. Weaver
WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

Pages 2 – 52 and pages 55-63 fully redacted

**SECTION E. Source Group Restrictions.**

Group Name: SG05
Group Description: Case-by-Case RACT II Requirements
Sources included in this group

**RACT 2 SIP Provisions from Title V Permit
No. 22-05010 Significant Modification issued
03/16/18 (pages 53-54 of permit)**

ID	Name
031	GE TURBINE 4 (31704/18,500 HP)
033	WEST TURBINE 2 (31702/5000 HP)
034	WEST TURBINE 3 (31703/5000 HP)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.96]****Applicability**

(a) The permittee shall not permit emissions of NOx from the gas turbines in excess of the following. These emission limits apply at all times, including startup and shutdown periods.

(1) Westinghouse W-52 (31702 and 31703) turbines

(i) 116 ppm_{dv} each corrected to 15 percent oxygen

(ii) 107 tpy each on a 12-month running total

(2) General Electric Frame 5 MS 5001 LMD (31704) turbine

(i) 120 ppm_{dv} corrected to 15 percent oxygen

(ii) 411 tpy on a 12-month running total.

(b) For Source IDs 033 & 034, the fuel consumption for each turbine shall not exceed 491.3 million standard cubic feet (MMSCF) of natural gas during any consecutive 12-month period.

**SECTION E. Source Group Restrictions.**

(c) For Source ID 031, the fuel consumption for the turbine shall not exceed 1,822.5 million standard cubic feet (MMSCF) of natural gas during any consecutive 12-month period.

(d) For Source IDs 031, 033 & 034, the permittee shall not operate each turbine more than 8,000 hours during any consecutive 12-month period.

(e) Once in each 5-year calendar period, the permittee shall conduct, on each of the sources in this group, a Department approved emissions source test for NO_x (as NO₂) emissions that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The test shall be conducted prior to expiration of this permit, or during the applicable heating season determined by the Department. During the four years of each permit cycle when a full source test is not required, the permittee shall annually conduct a portable analyzer compliance verification of NO_x emissions for each source in this group. Results from source tests or portable analyzer tests shall be submitted to DEP no later 60 calendar days after completion of the on-site testing portion of the emission test program. Test results for NO_x shall be reported as follows: (1) ppm_{dv} as measured; (2) ppm_{dv} corrected to 15 percent oxygen; (3) lb/hr; (4) lb/MMBtu of heat input. All test results shall be retained by the permittee at the test location and provided annually with emission statements and at other times as requested by the Department.

(f) The permittee shall maintain comprehensive and accurate records of the following for each source in this group:

- (1) The number of operating hours on both a monthly and 12-month rolling basis.
- (2) The amount of fuel consumed on both a monthly and 12-month rolling basis.

(g) The permittee shall maintain records including sufficient data and calculations to demonstrate that the RACT emission limitations for nitrogen oxides are met for each source in this group.

(h) All records required by this source group shall be retained by the permittee for 5 years and made available to the Department upon request.

(i) The permittee will maintain and operate each of the sources in this group in accordance with the manufacturer's specifications and with good operating practices. The permittee shall follow a routine and preventive maintenance schedule.

(j) Source ID 031 shall be permanently shut down by no later than January 1, 2024.

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