

TENNESSEE AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243-1531



Permit to Construct or Modify an Air Contaminant Source Issued Pursuant to Tennessee Air Quality Act

Date Issued: February 17, 2011

Permit Number:
963779P

Date Amended: **MAR 11 2011**

AMENDMENT

Date Expires: February 9, 2012

Issued To:

East Tennessee Natural Gas Company
Station 3110

Installation Address:

142 Clayton Howard Road
Wartburg

Installation Description:

Three (3) 1,360 bhp Each Natural Gas Fired
Solar Saturn T-1300 Turbines

Emission Source Reference No.

65-0028-01
NSPS

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit is dated December 9, 2010, and signed by Fulkra J. Mason, Vice President of the permitted facility. If this person terminates employment or is assigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(conditions continued on next page)

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

2. The total design heat input capacity for this source shall not exceed 48.8 MMBtu/hr, on a daily average basis. TAPCR 1200-03-09-.01(1)(d) and the application dated December 9, 2010.
3. Only natural gas shall be used as fuel for this source. TAPCR 1200-03-09-.01(1)(d) and the application dated December 9, 2010.
4. Particulate matter (TSP), sulfur dioxide (SO₂), nitrogen oxides (NO_x), volatile organic compounds (VOC), and carbon monoxide (CO) emitted from this source shall not exceed the following limits:

Pollutant	Emission Limits
TSP	0.36 lb/hr
SO ₂	0.18 lb/hr
NO _x	14.52 lb/hr
VOC	0.12 lb/hr
CO (see note)	35.01 lb/hr and 46.6 tpy

These emission limitations are established pursuant to Rule 1200-03-26-.02(6)(b) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter dated January 18, 2011, from the permittee. The permittee has requested this limit in order to reduce emission fees.

Note: Maximum hourly and annual emissions are temperature dependent. Maximum hourly CO emissions are based on an ambient temperature of 0° F, and maximum annual emissions are based on an annual average ambient temperature of 59° F.

5. A monthly log of the fuel usage must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be maintained for a period of not less than two (2) years. All data, including all required calculations, must be entered in the log no later than thirty (30) days from the end of the month for which the data is required TAPCR 1200-03-10-.02(2)(a).
6. This source shall comply with all applicable requirements of 40 CFR Part 60, Subpart GG - Standards of Performance for Stationary Gas Turbines.
7. Visible emissions from this source shall not exhibit greater than twenty percent (20%) opacity except for one six-minute period per one (1) hour or more than twenty four (24) minutes in any twenty four (24) hours. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average). TAPCR 1200-03-05-.01(1) and TAPCR 1200-03-05-.03(6).
8. 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), as demonstrated by 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 grains/100 scf or less, regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring.
9. Consistent with the provisions of the memorandum of August 14, 1987 by John B. Rasnic of EPA, the monitoring of fuel nitrogen content shall not be required while natural gas is the only fuel fired in the gas turbines (attachment #1).
10. The permittee shall apply for a standard operating permit at least sixty (60) days prior to the expiration of this permit. TAPCR 1200-03-09-.02(3).

(conditions continued on next page)

11. This permit shall serve as a temporary operating permit from the date of issuance to the receipt of a standard operating permit, provided that an application for an operating permit is submitted within the time period specified in **Condition 10** of this permit and that the conditions of this permit and any applicable emission standards are met. TAPCR 1200-03-09-.02(2).

(end of conditions)

Amendment 1: this permit is amended to change Condition 8 to allow compliance with Subpart GG §60.334(h) (3) per permittee request in a letter dated February 28, 2011.