

Emission Summary

Permit Number: 963779F

Source Status: New ☐ Modification ☒ Expansion ☐ Relocation ☐

Permit Status: New ☐ Renewal ☒

PSD ☐ NSPS ☒ NESHAPs ☐

Previous Permit Number: Construction _____ Operating 053993F

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-03-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP	0.36	0.36	0.36	1.6	1.6	1.6				26-.02(6)(b)
SO ₂	0.18	0.18	0.18	0.8	0.8	0.8				26-.02(6)(b)
CO**	35.01	35.01	35.01	46.6	46.6	46.6				26-.02(6)(b)
VOC	0.12	0.12	0.12	0.53	0.53	0.53				26-.02(6)(b)
NO _x	14.52	14.52	14.52	63.6	63.6	63.6				26-.02(6)(b)

* - Source of data

** - See the summary report for an explanation of CO emissions

PERMITTING PROGRAM: ODJ DATE: February 3, 2011

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: East Tennessee Natural Gas Company File Number: 65-0028 EPS Initials: ODJ
Permit Number(s): 963779F Source Point Number(s): 01
Application Received (date): June 3, 2010 Application Complete (date): January 18, 2011
Air Quality Analysis Performed? Yes ☐ No ☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

This source is three (3) Solar gas-fired turbines (1,360 Hp at ISO standard conditions). The turbines are subject to 40 CFR 60 Subpart GG. This is the modification of existing permit to change the emission limits based on currently available information from the turbine manufacturer (Solar). The CO emission limit for this source is 35.01 lb/hr at 0° F and 46.6 tpy at 59° F (average ambient temperature for Nashville area).

Rules Analysis

Title V ☐ Cond. Major ☐ Minor ☒ Source category listed in 1200-03-09-.01(4)(b)1.(i)? Yes ☐ No ☒

Reason for PSD:	New source above ____ TPY	<input type="checkbox"/>	Sig. increase in ____ emissions	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NSPS:	40 CFR Part 60, Subpart GG	<input checked="" type="checkbox"/>	State Rule 1200-3-16-	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 61, Subpart ____	<input type="checkbox"/>	State Rule 1200-3-11-	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 63, Subpart ____	<input type="checkbox"/>	State Rule 1200-3-31-	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

						Other Applicable State Rules					
TSP Emissions:	1200-03-	26	-	02(6)(b)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	NO _x Emissions:	1200-03-	26	-	02(6)(b)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>
SO ₂ Emissions:	1200-03-	26	-	02(6)(b)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Lead Emissions:	1200-3-	-	-	-	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
CO Emissions:	1200-03-	26	-	02(6)(b)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-	-	-	-	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
VOC Emissions:	1200-03-	26	-	02(6)(b)	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-	-	-	-	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>

Visible Emissions from _____ source not to exceed 20 % opacity per Method 9 (Rule 1200-03-05-.01(1))
Visible Emissions from _____ not to exceed _____ % opacity per Method _____ (Rule 1200-03-03(6))
Visible Emissions from _____ not to exceed _____ % opacity per Method _____ (Rule 1200-3-____-.____))