

# Emission Summary

## 65-0028-01

Permit Number: 979102

**Source Status:** New ☐ Modification ☒ Expansion ☐ Relocation ☐

**Permit Status:** New ☒ Renewal ☐

PSD ☐ NSPS ☐ NESHAPs ☐

**Previous Permit Number:** Construction \_\_\_\_\_ Operating \_\_\_\_\_.

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-3-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP		0.34	0.36		1.49	1.58	-0.02		1	26-.02(6)(b)
SO <sub>2</sub>		3.33	3.33		14.59	14.59	+13.79		1	14-.03(5)
CO		49.70			189.04	189.18	+142.58		1	07-.07(2)
VOC		3.11			5.94	5.94	+5.41		1	07-.07(2)
NO <sub>x</sub>		28.21			116.45	116.46	+52.85		1	07-.07(2)
MISC.										
HAPs										
Exempt										

\* - Source of data

1. Permit application.

PERMITTING PROGRAM: HRF DATE: 11/24/2021

**Emission Summary**  
**65-0028-02**

Permit Number: 979102

**Source Status:** New ☐ Modification ☒ Expansion ☐ Relocation ☐

**Permit Status:** New ☒ Renewal ☐

PSD ☐ NSPS ☐ NESHAPs ☐

**Previous Permit Number:** Construction \_\_\_\_\_ Operating \_\_\_\_\_.

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-3-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP		0.03	1.1		0.01	0.28	-4.10		1	06-.02(2)
SO <sub>2</sub>		0.11	0.11		0.03	0.03	+0.03		1	14-.03(5)
CO		6.84			1.71	1.71	+0.00		1	07-.07(2)
VOC		0.06			0.01	0.02	+0.01		1	07-.07(2)
NO <sub>x</sub>		4.18			1.04	1.04			1	07-.07(2)
MISC.										
HAPs										
Exempt										

\* - Source of data

1. Permit application.

PERMITTING PROGRAM: HRF DATE: 11/24/2021

# CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: East Tennessee Natural Gas, LLC - Station 3110 - Wartburg File Number: 65-0028 EPS Initials: HRF

Permit Number(s): 979102 Source Point Number(s): -01, -02

Application Received (date): 06/02/2021 Application Complete (date): 08/05/2021

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 existing facility is a natural gas compressor station. The facility consists of two natural gas fired combustion turbine engines used to drive compressors that boost pressure on the transmission lines, and natural gas fired reciprocating engine used to drive an emergency generator. No controls will be used. All criteria pollutant will be emitted by this facility. The facility is a minor source (<250 tpy) for all criteria pollutants. The turbines are subject to the NSPS provisions of 40 CFR 60 Subpart GG (Stationary Gas Turbines), and the reciprocating engine is subject to the NESHAP provisions of 40 CFR 63 Subpart ZZZZ (Stationary Reciprocating Internal Combustion Engines). The sources are being modified by changing the methodology used to calculate emissions, there is no physical change, change in the method of operation, change in the emissions of the sources. After the change in emissions calculating methodology, the source will become a major source for Title V purposes.

## Rules Analysis

Title V ☒ Cond. Major ☐ Minor ☐ Source category listed in 1200-3-9-.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 <u>GG</u>	<input 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 <u>ZZZZ</u>	<input type="checkbox"/>	State Rule 1200-3-31-. ____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

## Other Applicable State Rules

TSP Emissions:	1200-3- <u>06</u> - <u>02(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	NO <sub>x</sub> Emissions:	1200-3- <u>07</u> - <u>07(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>
SO <sub>2</sub> Emissions:	1200-3- <u>14</u> - <u>03(5)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	Lead Emissions:	1200-3-____ - ____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>
CO Emissions:	1200-3- <u>07</u> - <u>07(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-____ - ____	<input type="checkbox"/> N/A <input type="checkbox"/>
VOC Emissions:	1200-3- <u>07</u> - <u>07(2)</u>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions:	1200-3-____ - ____	<input type="checkbox"/> N/A <input type="checkbox"/>

Visible Emissions from This source not to exceed 20 % opacity per Method 9 (Rule 1200-3-05 - 01(1))

Visible Emissions from This source not to exceed 20 % opacity per Method 9 (Rule 1200-3-05 - 03(6))

Visible Emissions from \_\_\_\_\_ not to exceed \_\_\_\_\_ % opacity per Method \_\_\_\_\_ (Rule 1200-3-\_\_\_\_ - \_\_\_\_)

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_