

**PERMIT TO CONSTRUCT OR MODIFY  
AN AIR POLLUTANT SOURCE**

**Permittee (Company Name):** Tennessee Gas Pipeline Company,  
LLC – Compressor Station 563

**Permit Number:** C-3124

**Installation Address:** 7650 Whites Creek Pike

**Date of Issuance:** June 23, 2017

**City, State:** Joelton, Tennessee

**Designated Representative:** Thomas C. Dender  
**Title:** Vice President Operations

**Emission Source Number:** 002

**NAICS Code:** 486210

**Emission Source Description:** One natural gas-fired boiler rated at 4.6 MMBtu per hour. The boiler is equipped with low NO<sub>x</sub> burners.

**Permit Conditions:**

- (1) This permit, issued in accordance with Section 10.56.020, “Construction Permits” of Chapter 10.56, “Air Pollution Control” of the Metropolitan Code of Laws (MCL), allows the operation of the air pollutant source described above.
- (2) This permit shall serve as a temporary operating permit for a period of time not to exceed 180 days after startup, provided that this Agency is notified in writing of the date of startup. The notification must be submitted to this Agency in writing within five (5) working days of the date of startup.
- (3) Semi-annual Progress Reports (SAR) must be submitted to this Agency for construction projects extending over a six-month period. The reports must specify the percent of the project completed and give an estimated completion date. The first Progress Report is due six months after the date of issuance of this permit and additional reports are due every six months thereafter until construction is complete and this office has been notified of the startup date.
- (4) This permit shall become null and void if construction has not commenced within one (1) year of the date of issuance.
- (5) This permit is not transferable and must be posted or filed on the premises for which it was issued.
- (6) The following emission points are covered by this permit and are subject to the emission standards and operating schedule limitations outlined below. The allowable emission standards for all criteria pollutants not listed below are 0.0 pounds per hour, except for those sources that are exempt from permitting in accordance with Section 10.56.050, “Exemptions” of Chapter 10.56, “Air Pollution Control” of the MCL.

(Conditions continued on next page)

*Permission has been granted to maintain and operate the aforementioned equipment or process in Davidson County, Tennessee, under and in accordance with any applicable statutes, ordinances, regulations, or other provisions of law including additions, deletions or modifications which may be hereafter enacted or promulgated.*

Conditions continued for Construction Permit C-3124.

(6) Continued:

Emission Point	Pollutant	Mass Emission Standards			Visible Emission Standard	Operating Schedule	
		Lb/Hr	Lb/Day	Lb/12 Mo. (Rolling)		Hr/Day	Hr/Year
201	PM <sub>10</sub>	0.05	1.10	0.20	10%	24	8,760
	SO <sub>2</sub>	0.003	0.07	0.01			
	NO <sub>x</sub>	0.11	2.64	0.48			
	CO	0.25	6.00	1.11			
	VOC	0.07	1.71	0.12			

Emission Point 201 – (563-Heater-01) - Parker Boiler T-4600LR Hot Water Boiler rated at 4.6 MMBtu per hour

- (7) A monthly inventory of natural gas combusted in the boiler must be maintained on site and made available for inspection upon request. Past records must be maintained for at least five years.
- (8) The mass emission standards outlined in Condition (6) are based on the proposed mass emission rates reported in the permit application, dated September 15, 2015, for the purpose of calculating annual emission fees based on annual permitted allowable emissions in accordance with MCL 10.56.080. The mass allowable emissions are based on an operating schedule of 24 hours per day and 8,760 hours per rolling twelve months, and a maximum natural gas usage rate of 4,510 cubic feet per hour, 108,240 cubic feet per day, and 39.5 x 10<sup>6</sup> cubic feet per rolling twelve months. The mass allowable emissions for PM<sub>10</sub>, NO<sub>x</sub>, CO, and VOC are based on manufacturer’s emission data and mass emission standards for SO<sub>2</sub> are based on AP-42, Section 1.4 dated 7/98.
- (9) This source is subject to MCL 10.56.270, “Visible Emissions,” which restricts visible emissions from the source to no more than 20% opacity. This requirement has been streamlined into the more stringent standard of 10% opacity outlined in Condition (6). Compliance with the visible emission standard will be ensured through the combustion of natural gas only.
- (10) This source is subject to MCL 10.56.280, “Start-ups, Shutdowns and Malfunctions,” which, in part, requires the source to take all reasonable measures to keep emissions to a minimum during start-ups, shutdowns and malfunctions. Failures that are caused entirely or in part by poor maintenance, careless operation, or other preventable upset condition or preventable equipment breakdown shall not be considered a malfunction and shall be considered a violation of the applicable emission standards.
- (11) Any compliance testing shall be conducted in accordance with the requirements of MCL 10.56.300, “Testing Procedures.”
- (12) This source is subject to Regulation No. 7, “Regulation for Control of Volatile Organic Compounds” of the MCL. This source will comply with this regulation by implementing good combustion practices while operating the fuel burning equipment.
- (13) This facility is subject to Regulation No. 11, “Emergency Episode Regulation” of the MCL, which establishes criteria so as to prevent undesirable levels of air contaminants during adverse meteorological conditions. Major sources must submit to the Director an acceptable air pollution episode emissions reduction plan to be followed during the alert, warning, and emergency levels of an air pollution episode.
- (14) This source is subject to Regulation No. 13, “Part 70 Operating Permit Program” of the MCL based on the facility having the potential to emit greater than 100 tons of NO<sub>x</sub> and CO annually.

Conditions continued for Construction Permit C-3124.

- (15) This source is subject to Regulation No. 14, “Regulation for Control of Nitrogen Oxides” of the MCL based on the facility having the potential to emit greater than 100 tons of NO<sub>x</sub> annually. This source will comply with this regulation by installing low-NO<sub>x</sub> burners.
- (16) The allowable facility wide hazardous air pollutant (HAP) emission rate is restricted to less than 10.0 tons per year of any one HAP and less than 25.0 tons per year of any two or more HAPs as identified in Section 112(b) of the 1990 Clean Air Act Amendment.
- (17) One or more on-site inspections will be conducted during the temporary permitting period in order to ensure compliance with the conditions of this permit.