

## **STATEMENT OF BASIS**

Florida Gas Transmission Company  
Compressor Station No. 17  
Facility ID No.: 0830070  
Marion County

### **Title V Air Operation Permit Renewal DRAFT/PROPOSED Permit Project No.: 0830070-007-AV**

This Title V Air Operation Permit Renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The subject of this permit is for the renewal of Title V Air Operation Permit and the incorporation of an air construction permit, No. 0830070-003-AC. This facility consists of five natural gas fired internal combustion engines and one gas turbine engine. Four internal combustion engines are rated at 2000 bhp and are manufactured by Cooper-Bessemer, Model LS-8-SG. One internal combustion engine is rated at 2400 bhp and is manufactured by Dresser-Rand, Model 412KVSRA. The gas turbine engine is rated at 15,700 bhp and is manufactured by Nuovo Pignone. This facility is part of a natural gas pipeline system serving the State of Florida.

The applicable emission limitations are as follows: The four 2000 bhp engines are each subject to the general visible emissions limit per Rule 62-210-320(4)(b)1., F.A.C. Visible emissions for the 2400 bhp engine are limited to 10% opacity per construction permit AC42-189455 and Title V permit renewal application received October 20, 2000. Hourly and annual emissions limits for the 2400 bhp engine are as follows, per construction permit AC42-189455 and Title V permit renewal application received June 20, 2005:

<u>Pollutant</u>	<u>Lbs/hr</u>	<u>Tons/yr</u>
Nitrogen Oxides	10.6	46.3
Carbon Monoxide	14.8	64.9
VOC (non-methane)	9.0	39.4
Particulates (TSP)	0.21	0.9
Particulates (PM10)	0.21	0.9
Sulfur Dioxide	0.49	2.2
HAPs	1.04	4.5

Hourly and annual emissions limits for the 15,700 bhp combustion turbine engine are as follows, per construction permit 0830070-005-AC and Title V permit renewal application received June 20, 2005:

<u>Pollutant</u>	<u>Lbs/hr</u>	<u>Tons/yr</u>
Nitrogen Oxides	14.1	61.76
Carbon Monoxide	7.03	30.79
Sulfur Dioxide	3.7	16.21

The facility potential (potential to emit) emissions for total HAPs is 26.84 tons/yr.

CAM does not apply.

Also included in this permit are unregulated emission units and/or activities.

Based on the Title V permit renewal application received May 19, 2010, this facility is a major source of hazardous air pollutants (HAPs).