



**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**APPLICANT**

Florida Gas Transmission Company  
2405 Lucien Way, Suite 200  
Maitland, FL 32751-7047

Compressor Station No. 17

Facility ID No. 0830070

**PROJECT**

Project No. 0830070-007-AV  
Application for Title V Air Operation Permit Renewal  
Project Name: Renewal

**COUNTY**

Marion County, Florida

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Air Resource Management  
Central District Office  
Orlando, Florida 32803-3767

November 2 and 3, 2010

Prepared by Jeffrey Rustin, P.E.

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## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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### GENERAL PROJECT INFORMATION

#### Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources – Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

#### Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

#### I. Project Description:

##### A. Applicant:

Mr. David W. Shellhouse, Vice President, Southeast Operations  
Florida Gas Transmission Company  
2405 Lucien Way, Suite 200  
Maitland, FL 32751-7047

##### B. Professional Engineer:

Mr. Thomas W. Davis, P.E.  
Environmental Consulting and Technology, Inc.  
3701 Northeast 98<sup>th</sup> Street  
Gainesville, FL 32606-5004

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## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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C. Project Location:

Compressor Station No. 17  
19555 NE County Road 314  
Salt Springs, FL 32134-3200

D. Project Summary:

The purpose of this project is modify Condition No. 11 in Air Construction Permit No. 0830070-003-AC and previous condition No. B20 in Air Operation Permit No. 0830070-006-AV to discontinue quarterly engine inspections of Engine 1704 and to discontinue quarterly measurements of exhaust carbon monoxide (CO) and nitrogen oxides (NO<sub>x</sub>) from Engine 1704.

E. Application Information:

Application Received on: 05/19/2010  
Additional Information Requested on: 07/16/2010  
Additional Information Received on: 08/06/2010  
Application Complete: 08/06/2010

II. PSD Applicability for Project

As provided in the application, the following table summarizes potential emissions and PSD applicability for the project.

**Table A. Potential Emissions (Tons/Year) and PSD Applicability**

Pollutant	Project Potential Emission (tpy)	Significant Emissions Rate (tpy)	Subject to PSD?
NO <sub>x</sub>	0	40	No
CO	0	100	No
VOC	0	40	No
SO <sub>2</sub>	0	40	No
PM/PM <sub>10</sub>	0	25/15	No

As shown in the above table, total project emissions will not exceed the PSD significant emissions rates; therefore, the project is not subject to PSD preconstruction review; **however, any future facility permitting action after the issuance of the Final Title Air V Operation Permit No. 0830070-007-AV or the issuance of Final construction permit No. 0830070-008-AC that will allow an**

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## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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increase of facility emissions (potential to emit) or add additional regulated emission units to the facility will be subject to PSD Review.

### III. Rule Applicability

Rules 62-4, 62-210, 62-296, 62-297, F.A.C. apply.

### IV. Summary of Emissions

No increase in emissions due to the modification of the condition authorized by the construction permit.

### V. Federal NSPS and/or NESHAP Provisions

A. NSPS, 40 CFR 60 Subpart A, General Provisions

B. NSPS, 40 CFR 60 Subpart GG, Standards of Performance for Stationary Gas Turbines.

C. NESHAP, 40 CFR 63 Subpart A, General Provisions

D. NESHAP, 40 CFR 60 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

### VI. Conclusions

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204 through 297, F.A.C.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204 through 297, F.A.C.

### VII. Preliminary Determination

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Additional details of this analysis may be obtained by contacting the project engineer at the Florida Department of Environmental Protection Air Resource Management, Central District Office, 3319 Maguire Blvd., Suite 232, Orlando, Florida 32803-3767, 407/893-3334.