



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## NOTICE OF FINAL AIR PERMIT

*Sent by Electronic Mail – Received Receipt Requested*

David Shellhouse, Vice President, Southeastern Operations  
Florida Gas Transmission Company  
2405 Lucien Way, Suite 200  
Maitland, FL 32751

Air Permit No. 1130037-011-AC  
Santa Rosa Compressor Station No. 12  
Santa Rosa County, Florida

Dear Mr. Shellhouse:

Enclosed is the final air construction permit, which authorizes the construction of one 20,500 bhp combustion turbine compressor engine, two 454 bhp emergency generators and one 500 gallon oily water tank. The proposed work will be conducted at the Santa Rosa Compressor Station No. 12, which is located in Santa Rosa County at 13100 Munson Highway in Milton, Florida. As noted in the attached Final Determination, only minor changes and clarifications were made to the draft permit. This final permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

Trina Vielhauer, Chief  
Bureau of Air Regulation

TLV/jfk/scd

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on 4/16/09 to the persons listed below.

- Mr. David Shellhouse, FGTC ([dave.shellhouse@sug.com](mailto:dave.shellhouse@sug.com))
- Mr. Charles Wait, FGTC ([charles.wait@sug.com](mailto:charles.wait@sug.com))
- Mr. Kevin McGlynn, Trow Engineering Consultants, Inc. ([kevin.mcglynn@trow.com](mailto:kevin.mcglynn@trow.com))
- Mr. Rick Bradburn, NWD Office ([rick.bradburn@dep.state.fl.us](mailto:rick.bradburn@dep.state.fl.us))
- Ms. Vickie Gibson, DEP BAR Reading File ([victoria.gibson@dep.state.fl.us](mailto:victoria.gibson@dep.state.fl.us))

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

  
\_\_\_\_\_  
(Clerk)

4/16/09  
(Date)

## FINAL DETERMINATION

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### PERMITTEE

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

### PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)  
Division of Air Resource Management  
Bureau of Air Regulation, New Source Review Section  
2600 Blair Stone Road, MS #5505  
Tallahassee, Florida 32399-2400

### PROJECT

Air Permit No. 1130037-011-AC  
Minor Air Construction Permit  
Santa Rosa Compressor Station No. 12

The proposed project is part of Florida Gas Transmission Company's (FGTC) overall Phase VIII expansion project intended to increase the availability and reliability of natural gas supplied by the existing pipeline. The expansion at this station will consist of installing a new 20,500 brake horsepower (bhp) combustion turbine compressor engine, two new 454 bhp emergency generators and a 500 gallon oily water tank. All units exclusively fire natural gas.

### NOTICE AND PUBLICATION

The Department distributed a draft minor air construction permit package on February 11, 2009. The applicant published the Public Notice in the Pensacola News Journal on March 25, 2009. The Department received the proof of publication on April 6, 2009. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

### COMMENTS

#### Applicant

On February 18, 2009, the Department received comments from the applicant. The following summarizes the comments and the Department's response.

1. For testing requirements FGTC proposed that the peak load definition be 90-100% of rated capacity and consist of three 20-minute test runs to remain consistent with current agency policy.

*Response:* Permit condition 8. has been changed to include both state and federal requirements.

8. Initial Compliance Tests: The combustion turbine shall be tested to demonstrate initial compliance with the emission standards for CO, NO<sub>x</sub>, and visible emissions. The initial tests shall be conducted within 60 days after achieving permitted capacity, but not later than 180 days after initial startup of the combustion turbine. Pursuant to Rule 62-297.310(2), F.A.C., permitted capacity is defined as 90% to 100% of the maximum operation rate (heat input rate) allowed by the permit. Pursuant to 40 CFR 60.4400, the performance tests must be done at any load condition within plus or minus 25% of peak load. The initial NO<sub>x</sub> performance tests shall be conducted at approximately four evenly spaced points between the minimum normal operating load and 100% of peak load. Each of the three low load NO<sub>x</sub> performance tests shall consist of three, 20 minute test runs. The peak load NO<sub>x</sub> performance test shall consist of three, 1-hour test runs. The CO performance tests shall be conducted concurrently with the NO<sub>x</sub> performance tests at peak load. Actual SO<sub>2</sub> emissions shall be reported based on the current typical fuel

## FINAL DETERMINATION

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sulfur content and actual natural gas firing rate for each test run. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.; and 40 CFR 60.8 and 40 CFR 60.4400]

2. For testing requirements, FGTC requested that subsequent NO<sub>x</sub> performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test) where NO<sub>x</sub> emissions were greater than 75% of the NO<sub>x</sub> emissions standard per the federal rule.

*Response:* Permit condition 9. has been changed to include both state and federal requirements.

9. Annual Compliance Tests: During each federal fiscal year (October 1 - September 30), the combustion turbine shall be tested to demonstrate compliance with the emission standards for CO, NO<sub>x</sub>, and visible emissions. If the turbine's NO<sub>x</sub> emissions exceed 75% of the applicable NSPS NO<sub>x</sub> standard on the previous performance test, the subsequent compliance test shall be conducted no more than 14 calendar months following the previous performance test. CO and NO<sub>x</sub> emissions shall be tested concurrently at permitted capacity. Actual SO<sub>2</sub> emissions shall be reported based on the current typical fuel sulfur content and actual natural gas firing rate for each test run. [Rules 62-4.070(3) and 62-297.310(7)(a)4, F.A.C.; and 40 CFR 60.4400]

### CONCLUSION

The final action of the Department is to issue the permit with the minor changes, corrections and clarifications as described above.



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Secretary

## FINAL PERMIT

### PERMITTEE

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

Air Permit No. 1130037-011-AC  
Permit Expires: September 1, 2011

Authorized Representative:  
David Shellhouse, Vice President, Southeastern Operations

Santa Rosa Compressor Station 12  
Facility ID No. 1130037  
Phase VIII Expansion Project

### PROJECT AND LOCATION

This permit authorizes the construction of one 20,500 bhp combustion turbine compressor engine, two 454 bhp emergency generators and one 500 gallon oily water tank. The proposed work will be conducted at Compressor Station No. 12, which services the natural gas pipeline (Standard Industrial Classification No. 4922). The facility is located in Santa Rosa County at 13100 Munson Highway in Milton, Florida. The UTM coordinates are Zone 16, 510.83 km East, and 3419.03 km North.

### STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.); Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.); and Parts 60 and 63 in Title 40 of the Code of Federal Regulations (CFR). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

### CONTENTS

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Executed in Tallahassee, Florida

Joseph Kahn, Director  
Division of Air Resource Management

(Date)