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. 0410004-016-AC
Gilchrist Compressor Station No. 24
Phase VIII Expansion Project
Gilchrist County, Florida

Dear Mr. Shellhouse:

Enclosed is the final air construction permit, which authorizes 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 Gilchrist Compressor Station No. 24, which is located in Gilchrist County at 5030 South U.S. Highway 129 in Trenton, 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 4/30/09 to the persons listed below.

Mr. David Shellhouse, FGTC (dave.shellhouse@sug.com)
Mr. Charles Wait, FGTC (charles.wait@sug.com)
Mr. Kevin McGlynn, Trow Engineering Consultants, Inc. (kevin.mcglynn@trow.com)
Mr. Christopher Kirts, NED Office (christopher.kirts@dep.state.fl.us)
Ms. Vickie Gibson, DEP BAR Reading File (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) 4/30/09 (Date)

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. 0410004-016-AC
Minor Air Construction Permit
Gilchrist Compressor Station No. 24

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 17, 2009. The applicant published the Public Notice in The Gainesville Sun on April 2, 2009. The Department received the proof of publication on April 22, 2009. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

COMMENTS

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

1. FGTC requested that for existing Emissions Unit No. 001 the unit description should read as a Mars 100 T15000.

   Response: The correction in equipment description has been made as shown below.

001	FGTC No. 2401: Solar Model ~~Mars90-T13000~~ 100 T15000 combustion turbine compressor engine rated at 15,000 bhp

2. 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 7. has been changed to include both state and federal requirements.

   7. Initial Compliance Tests: The combustion turbine shall be tested to demonstrate initial compliance with the emission standards for CO, NO_X, 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_X 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_X performance tests shall consist of three, 20-minute test runs.~~ The ~~peak load~~ NO_X performance test shall consist of three, 1-hour test runs. The CO performance tests shall be conducted concurrently with the NO_X performance tests at peak load. Actual SO_2 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)1, F.A.C.; and 40 CFR 60.8 and 40 CFR 60.4400]

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

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

   8. 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_X, and visible emissions. If the turbine's NOx emissions exceed 75% of the applicable NSPS NO_X 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_X emissions shall be tested concurrently at permitted capacity. Actual SO_2 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.

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

PERMITTEE

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

Authorized Representative:
David Shellhouse, Vice President, Southeastern Operations

Air Permit No. 0410004-016-AC
Permit Expires: September 1, 2011

Gilchrist Compressor Station 24
Facility ID No. 0410004
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 existing Compressor Station No. 24, which services the natural gas pipeline (Standard Industrial Classification No. 4922). The facility is located in Gilchrist County at 5030 South U.S. Highway 129 in Trenton, Florida. The UTM coordinates are Zone 17, 321.3 km East, and 3282.8 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

4/29/09
(Date)