

Memorandum

Florida Department of Environmental Protection

TO: Clair Fancy, Chief - Bureau of Air Regulation
THROUGH: Al Linero, Administrator - New Source Review Section *AAL*
FROM: Jeff Koerner, New Source Review Section *JK*
DATE: May 20, 2002
SUBJECT: Draft Air Construction Permit No. 0170035-008-AC
Florida Gas Transmission Company
Citrus County Compressor Station No. 26
Phase V Modification Project

Attached for your review are the following items:

- Intent to Issue Permit and Public Notice Package;
- Technical Evaluation and Preliminary Determination;
- Draft Permit; and
- PE Certification

The draft permit authorizes the up-rating of an existing gas turbine (FGTC No. 2601) from 6500 bhp to 7300 bhp. The gas turbine serves as a compressor engine at existing Station No. 26, which is located northwest of the town of Lecanto approximately 0.4 miles north of Highway 44 on North Maylen Road in Citrus County, Florida. This project is part of FGTC's overall Phase V project, which is intended to increase natural gas availability and reliability throughout Florida. FGTC requested processing of all of the Phase V projects in Tallahassee for consistency. The station is minor with respect to PSD and Title V and will remain so after completion of this project. The Technical Evaluation and Preliminary Determination provides a detailed description of the project, rule applicability, and emission standards. The P.E. certification briefly summarizes proposed project.

Day #74 is July 14, 2002. I recommend your approval of the attached Draft Permit for this project.

CHF/AAL/jfk

Attachments

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

P.E. CERTIFICATION STATEMENT

PERMITTEE

Florida Gas Transmission Company
P.O. Box 1188
Houston, TX 77251

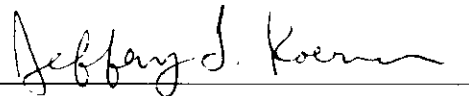
Draft Air Permit No. 0170035-008-AC
Citrus County Compressor Station No. 26
Phase V Modification Project

PROJECT DESCRIPTION

The proposed draft permit authorizes the up-rating compressor engine No. 2601 from 6500 bhp to 7300 bhp with a corresponding increase in fuel consumption. The project will allow the station to operate at a higher capacity than currently possible. This project is part of Florida Gas Transmission Company's overall Phase V project, which is intended to increase natural gas availability and reliability throughout Florida. The up-rated compressor engine will have the potential to emit the following pollutants: 30 tons of carbon monoxide per year; 25 tons of nitrogen oxides per year; 2 tons of particulate matter per year; 7 tons of sulfur dioxide per year; and 1 tons of volatile organic compounds per year. Both the project and facility are considered minor sources of air pollution with respect to Chapters 62-212 (PSD Major Source Preconstruction Review) and 62-213.400 (Title V Major Source Air Operation Permit). The facility is not a major source of hazardous air pollutants.

The gas turbine is subject to the New Source Performance Standards of Subpart GG in 40 CFR 60, adopted by reference in Rule 62-204.800, F.A.C. This regulation establishes standards for emissions of NOx and SO2 as well as testing and monitoring requirements. Based on the manufacturer's estimated performance and the emissions standards established in the permit, the gas turbine will readily comply with the NSPS requirements. In addition, the draft permit includes emissions standards and monitoring requirements to ensure that the facility remains a minor source of air pollution. The Bureau of Air Regulation processed this application because Florida Gas Transmission requested that all Phase V projects be reviewed in Tallahassee for purposes of consistency.

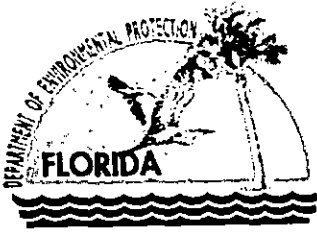
I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).



Jeffery F. Koerner, P.E.
Registration Number: 49441

05-20-02

(Date)



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

May 20, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Rick Craig, V.P. of Southeastern Operations
Florida Gas Transmission Company
P.O. Box 1188
Houston, TX 77251

Re: Draft Air Permit No. 0170035-008-AC
Citrus County Compressor Station No. 26
Phase V Modification Project

Dear Mr. Craig:

Enclosed is one copy of the Draft Permit to up-rate an existing gas turbine compressor engine at existing Compressor Station No. 26, which is located northwest of the town of Lecanto approximately 0.4 miles north of Highway 44 on North Maylen Road in Citrus County, Florida. The Department's "Technical Evaluation and Preliminary Determination", "Intent to Issue Permit", and the "Public Notice of Intent to Issue Permit" are also included.

The "Public Notice of Intent to Issue Permit" must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A. A. Linero, Administrator of the New Source Review Section, at the above letterhead address. If you have any other questions, please contact Jeff Koerner at 850/921-9536.

Sincerely,

C. H. Fancy, P.E., Chief
Bureau of Air Regulation

CHF/AAI/jfk

Enclosures

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an
Application for Air Permit by:

Florida Gas Transmission Company
P.O. Box 1188
Houston, TX 77251

Authorized Representative:

Mr. Rick Craig, V.P. of Southeastern Operations

Draft Air Permit No. 0170035-008-AC
New Compressor Station No. 26
Phase V Modification Project
Citrus County

INTENT TO ISSUE AIR CONSTRUCTION PERMIT

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit (copy of Draft Permit attached) for the proposed project as detailed in the application and the enclosed Technical Evaluation and Preliminary Determination, for the reasons stated below. The applicant, Florida Gas Transmission Company, applied on May 2, 2002 to the Department for a permit to up-rate an existing gas turbine compressor engine at existing Compressor Station No. 26, which is located northwest of the town of Lecanto approximately 0.4 miles north of Highway 44 on North Maylen Road in Citrus County, Florida.

The Department has permitting jurisdiction under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit is required to perform proposed work. The Department intends to issue this air construction permit based on the belief that the applicant has provided reasonable assurances to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Construction Permit. The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114, Fax: 850/ 922-6979). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) and (11), F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen (14) days from the date of publication of Public Notice of Intent to Issue Air Permit. Written comments and should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed

within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S. however, any person who asked the Department for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Mediation is not available in this proceeding. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

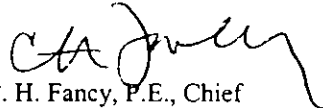
The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of

the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.


C. H. Fancy, P.E., Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Intent to Issue Air Construction Permit package (including the Public Notice of Intent to Issue Air Construction Permit, Technical Evaluation and Preliminary Determination, and the Draft Permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 5/22/02 to the persons listed:

- Mr. Rick Craig, FGTC*
- Mr. Jim Thompson, FGTC
- Mr. Kevin McGlynn, McGlynn Consulting Co.
- Mr. V. Duane Pierce, AQMcS
- Mr. Gerry Kissel, SWD

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Victoria Gibson May 22, 2002
(Clerk) (Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Air Permit No. 0170035-008-AC

Florida Gas Transmission Company
Citrus County Compressor Station No. 26
Phase V Modification Project

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to the Florida Gas Transmission Company to up-rate an existing gas turbine from 6500 bhp to 7300 bhp. The gas turbine serves as a compressor engine at existing Station No. 26, which is located northwest of the town of Lecanto approximately 0.4 miles north of Highway 44 on North Maylen Road in Citrus County, Florida. The project is part of Florida Gas Transmission Company's overall Phase V project to increase the natural gas pipeline capacity and availability throughout the state. The applicant's authorized representative is Mr. Rick Craig, Vice President of Southeastern Operations. The applicant's mailing address is Florida Gas Transmission Company, P.O. Box 1188, Houston, TX 77251.

The applicant proposes to up-rate existing gas turbine compressor engine No. 2601 from 6500 bhp to 7300 bhp with a corresponding increase in heat input. The up-rated compressor engine will have the potential to emit the following pollutants: 30 tons of carbon monoxide per year; 25 tons of nitrogen oxides per year; 2 tons of particulate matter per year; 7 tons of sulfur dioxide per year; and 1 tons of volatile organic compounds per year. This represents only slight increases in potential emissions of carbon monoxide and particulate matter and decreases in the potential emissions of nitrogen oxides, sulfur dioxide, and volatile organic compounds. Both the project and facility are considered minor sources of air pollution with respect to Chapters 62-212 (PSD Major Source Preconstruction Review) and 62-213.400 (Title V Major Source Air Operation Permit). The facility is not a major source of hazardous air pollutants.

The Department will issue the Final Permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions. The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen (14) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding;

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Protection
Bureau of Air Regulation
(111 S. Magnolia Drive, Suite 4)
2600 Blair Stone Road, MS #5505
Tallahassee, Florida, 32399-2400
Telephone: 850/488-0114
Fax: 850/922-6979

Department of Environmental Protection
Southwest District Office
Air Resources Section
3804 Coconut Drive
Tampa, FL 33619-8218
Telephone: 813/744-6100
Fax: 813/744-6084

The complete project file includes the application, Technical Evaluation and Preliminary Determination, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Department's reviewing engineer for this project for additional information at the address and phone numbers listed above.

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

**TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION**

PROJECT

Draft Air Construction Permit No. 0170035-008-AC
Existing Station No. 26 – Up-Rated Gas Turbine Compressor Engine
(Emissions Unit Nos. 001 and 003)

COUNTY

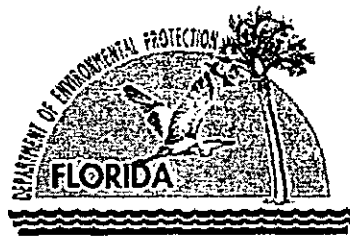
Citrus County

APPLICANT

Florida Gas Transmission Company
ARMS Facility ID No. 0170035
Citrus County Compressor Station No. 26

**PERMITTING
AUTHORITY**

Florida Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
New Source Review Section



May 20, 2002

{Filename: FGT 26V TEPD.doc}

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

1. GENERAL PROJECT INFORMATION

1.1 Applicant Name and Address

Florida Gas Transmission Company
P.O. Box 1188
Houston, TX 77251

Authorized Representative:

Mr. Rick Craig, V.P. of Southeastern Operations

1.2 Processing Schedule

05/02/02: Received permit application No. 0170035-008-AC; complete.

1.3 Facility Description and Location

The applicant proposes to modify existing gas turbine No. 2601 to increase the output from 6500 bhp to 7300 bhp. The gas turbine serves as a compressor engine at existing Station No. 26 (SIC No. 4922), which is located northwest of the town of Lecanto approximately 0.4 miles north of Highway 44 on North Maylen Road in Citrus County, Florida. The UTM coordinates of the existing station are: Zone 17, 353.21 km East, and 3193.99 km North (Latitude: 28° 51' 58" and Longitude: 82° 30' 18"). This is an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to a National Ambient Air Quality Standard (NAAQS).

1.4 Regulatory Categories

Title III: The facility is not a major source of hazardous air pollutants (HAP).

Title IV: The facility is not subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is not a Title V major source of air pollution.

PSD: The facility is not a major source of air pollution pursuant to the requirements of the Prevention of Significant Deterioration (PSD) of Air Quality Program, Rule 62-212.400, F.A.C.

NSPS: The gas turbine is subject to the New Source Performance Standards in Subpart GG of 40 CFR 60.

NESHAP: The facility has no emissions units subject to any National Emission Standards for Hazardous Air Pollutants in 40 CFR 63.

1.5 Project Description

The existing facility operates as a compressor station in Citrus County for Florida Gas Transmission Company's natural gas pipeline. It currently consists of the following emissions units.

EU ID	Emissions Unit Description
001	FGTC No. 2601: 6500 bhp gas-fired gas turbine compressor engine
002	FGTC No. 2602: 7200 bhp gas-fired gas turbine compressor engine
003	<u>Miscellaneous Support Activities:</u> This includes fugitive emissions, lube oil storage tanks, oily water tanks, and a 443 bhp emergency generator.

The applicant proposes to upgrade compressor engine No. 2601 from 6500 bhp to 7300 bhp with a corresponding increase in fuel consumption. The project will allow the station to operate at a higher capacity than currently possible. This project is part of Florida Gas Transmission Company's overall Phase V project, which is intended to increase natural gas availability and reliability throughout Florida.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

2. APPLICABLE REGULATIONS

2.1 State Regulations

This project is subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The Florida Statutes authorize the Department of Environmental Protection to establish rules and regulations regarding air quality as part of the Florida Administrative Code (F.A.C.). This project is subject to the applicable rules and regulations defined in the following Chapters of the Florida Administrative Code.

<u>Chapter</u>	<u>Description</u>
62-4	Permitting Requirements
62-204	Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference
62-210	Required Permits, Public Notice and Comments, Reports, Stack Height Policy, Circumvention, Excess Emissions, Forms and Instructions,
62-212	Preconstruction Review, PSD Requirements, and BACT Determinations
62-213	Operation Permits for Major Sources of Air Pollution
62-296	Emission Limiting Standards
62-297	Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures

2.2 Federal Regulations

This project is also subject to the applicable federal provisions regarding air quality as established by the EPA in the following sections of the Code of Federal Regulations (CFR).

<u>Title 40, CFR</u>	<u>Description</u>
Part 60	Subpart A - General Provisions for NSPS Sources NSPS Subpart GG - Stationary Gas Turbines Applicable Appendices

3. EMISSIONS STANDARDS

3.1 Brief Discussion of Emissions

The following text is an excerpt on stationary gas turbines from Section 3.1 EPA's AP-42 emission factor document:

"The primary pollutants from gas turbine engines are nitrogen oxides (NO_x), carbon monoxide (CO), and to a lesser extent, volatile organic compounds (VOC). Particulate matter (PM) is also a primary pollutant for gas turbines using liquid fuels. Nitrogen oxide formation is strongly dependent on the high temperatures developed in the combustor. Carbon monoxide, VOC, hazardous air pollutants (HAP), and PM are primarily the result of incomplete combustion. Trace to low amounts of HAP and sulfur dioxide (SO₂) are emitted from gas turbines. Ash and metallic additives in the fuel may also contribute to PM in the exhaust. Oxides of sulfur (SO_x) will only appear in a significant quantity if heavy oils are fired in the turbine. Emissions of sulfur compounds, mainly SO₂, are directly related to the sulfur content of the fuel.

Available emissions data indicate that the turbine's operating load has a considerable effect on the resulting emission levels. Gas turbines are typically operated at high loads (greater than or equal to 80 percent of rated capacity) to achieve maximum thermal efficiency and peak combustor zone flame temperatures. With reduced loads (lower than 80 percent), or during periods of frequent load changes, the combustor zone flame temperatures are expected to be lower than the high load temperatures, yielding lower thermal efficiencies and more incomplete combustion ... "

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

3.2 NSPS Subpart GG Standards

The gas turbine is subject to the New Source Performance Standards of Subpart GG in 40 CFR 60, adopted by reference in Rule 62-204.800, F.A.C. This regulation establishes standards for emissions of NOx and SO2 as well as testing and monitoring requirements. The Solar Model Taurus 60 T-7300S gas turbine has a heat rate of 11.43 kilojoules per watt-hour. Therefore, the corresponding NSPS standards are:

- NOx emissions \leq 189ppmvd @ 15% oxygen, and
- SO2 emissions are limited to the firing of only fuels containing \leq 0.8 percent sulfur by weight.

Based on the manufacturer's estimated performance and guarantees, the gas turbine will readily comply with the NSPS requirements. The applicant has requested lower emissions standards for several pollutants that reflect the more efficient operation and that will ensure that the facility remains minor with respect to both the PSD and Title V air permitting programs.

3.3 Draft Emissions Standards

Based on the applicant's request, the Department will establish the following emissions standards.

EU-001: Gas Turbine Compressor Engine No. 2601

Pollutant	Standards	Equivalent Maximum Emissions ^f		Rule Basis ^g
		lb/hour	TPY	
CO ^a	50.0 ppmvd @ 15% O2	6.8	29.78	Synthetic minor source
NOx ^b	25.0 ppmvd @ 15% O2	5.6	24.53	Synthetic minor source 40 CFR 60.332
SO2 ^c	10.0 grains of sulfur per 100 SCF of gas	1.7	7.45	Synthetic minor source 40 CFR 60.333
Opacity ^d	10% opacity, 6-minute average	Not Applicable		Synthetic minor source
PM ^e	Good combustion practices (Factor: 0.0066 lb/mmBTU)	0.4	1.75	Synthetic minor source
VOC ^e	Good combustion practices (Factor: 10 ppmvd @ 15% O2)	0.2	0.88	Synthetic minor source

- a. The CO standards are based on the average of 3 test runs as determined by EPA Method 10.
- b. The NOx standards are based on the average of 3 test runs as determined EPA Method 20.
- c. The fuel sulfur specification is based on the maximum limit specified by Federal Energy Regulatory Commission (FERC) and effectively limits the potential SO2 emissions. Expected fuel sulfur levels are less than 1 grain per 100 SCF of natural gas from the pipeline.
- d. The opacity standard is based on a 6-minute average, as determined by EPA Method 9.
- e. For both PM and VOC, the efficient combustion of clean fuels is indicated by compliance with opacity and CO standards. Equivalent maximum PM emissions are based on AP-42, Table 3.1-2a. Equivalent VOC emissions assumed 10% of the vendor emission factor for total unburned hydrocarbons. No testing required.
- f. Equivalent maximum emissions are based on maximum emission rates, permitted capacity, a compressor inlet air temperature of 59° F, a relative humidity of 60%, and 8760 hours of operation per year. For comparison purposes, the permittee shall provide a reference table with the initial compliance test report of mass emission rates versus the compressor inlet temperatures. Each test report shall include measured mass emission rates for CO, NOx and SO2. Mass emission rates for SO2 shall be

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

calculated based on actual fuel sulfur content and fuel flow rate. For tests conducted at 59° F or greater, measured mass emission rates shall be compared to the equivalent maximum emissions above. For tests conducted below 59° F, measured mass emission rates shall be compared to the tabled mass emission rates provided by the manufacturer based on compressor inlet temperatures.

- g. The emissions standards of this permit ensure that the facility remains a minor source of air pollution with respect to both PSD and Title V air permit programs. Based on the application, this will bring the total annual potential emissions for the facility to: 78 TPY of CO; 62 TPY of NO_x; 14 TPY of PM; 10 TPY of SO₂; and 3 TPY of VOC. This remains well below the PSD and Title V applicability thresholds.

Note: Original construction Permit No. AC09-229441 identified the annual potential emissions for this unit as: 28.29 TPY of CO; 39.05 TPY of NO_x; 1.51 TPY of PM; 8.62 TPY of SO₂; and 1.62 TPY of VOC. Therefore, the project will result in only slight potential emissions increases of CO and PM. Potential emissions of NO_x, SO₂, and VOC will decrease.

3.4 Compliance Methods

- a. *Initial Tests:* The gas 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 at least 90% of the maximum permitted capacity, but not later than 180 days after initial operation of the gas turbine. 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. SO₂ emissions shall be calculated based on fuel flow and vendor analysis of fuel sulfur content. [Rule 62-297.310(7)(a)1, F.A.C.; 40 CFR 60.8 and 60.335]
- b. *Annual Tests:* During each federal fiscal year (October 1 - September 30), the gas turbine shall be tested to demonstrate compliance with the visible emissions standard. In addition to the test results, each report shall include the following: a report on any non-routine maintenance conducted on each unit, a vendor analysis of the fuel sulfur content, and a general description of the activities and operation of this facility since the last test. [Rule 62-297.310(7)(a)4, F.A.C.]
- c. *Tests Prior to Renewal of Operation Permit:* During the 12-month period prior to renewal of the air operation permit, the gas turbine shall be tested to demonstrate compliance with the emission standards for CO, NO_x, and visible emissions. CO and NO_x emissions shall be tested concurrently at permitted capacity. SO₂ emissions shall be calculated based on fuel flow and vendor analysis of fuel sulfur content. [Rule 62-297.310(7)(a)3, F.A.C.]
- d. *Custom Fuel Monitoring:* The applicant has requested a custom fuel-monitoring schedule for fuel sulfur that meets the general requirements of EPA's most recent guidance regarding compliance with the NSPS Subpart GG provisions. The frequency of monitoring shall begin at twice per week and may eventually be reduced to twice per year based on satisfactory results.

4. 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 specific conditions of the draft permit. Jeff Koerner is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Bureau of Air Regulation at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

DRAFT PERMIT

PERMITTEE:

Florida Gas Transmission Company
P.O. Box 1188
Houston, TX 77251

Authorized Representative:

Mr. Rick Craig, V.P. of Southeastern Operations

Citrus Compressor Station No. 26 Air Permit No. 0170035-001-AC Facility ID No. 0170035 SIC No. 4922 Permit Expires: July 1, 2003

PROJECT AND LOCATION

This permit authorizes the upgrading of existing gas turbine No. 2601 from 6500 bhp to 7300 bhp. The gas turbine serves as a compressor engine at existing Station No. 26 (SIC No. 4922), which is located northwest of the town of Lecanto approximately 0.4 miles north of Highway 44 on North Maylen Road in Citrus County, Florida. The UTM coordinates of the existing station are: Zone 17, 353.21 km East, and 3193.99 km North (Latitude: 28° 51' 58" and Longitude: 82° 30' 18"). {Permitting Note: Construction of this unit was originally authorized by Permit No. AC09-229441, which was issued on September 24, 1993.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.) and Title 40, Part 60 of the Code of Federal Regulations. The permittee is authorized to modify the proposed equipment 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 permit shall supersede the conditions of previous air construction Permit No. AC09-229441.

CONTENTS

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

(DRAFT)

Howard L. Rhodes, Director
Division of Air Resources Management

(Date)

SECTION 1. GENERAL INFORMATION (DRAFT)

FACILITY AND PROJECT DESCRIPTION

The existing facility operates as a compressor station in Citrus County for Florida Gas Transmission Company's natural gas pipeline. This permit will affect the following existing emissions units.

ID	Emission Unit Description
001	FGTC No. 2601: Solar Taurus 60 T-7300S (ISO) gas turbine compressor engine firing natural gas and rated at 7300 bhp.
003	Miscellaneous Support Equipment: This includes fugitive emissions, lube oil storage tanks, oily water tanks, and a 443 bhp emergency generator.

REGULATORY CLASSIFICATION

Title III: The facility is not classified as a major source of hazardous air pollutants (HAP).

Title IV: The facility has no units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is not classified as a Title V major source of air pollution.

PSD: The facility is not classified as a PSD major source of air pollution.

NSPS: The gas turbines are subject to the New Source Performance Standards of 40 CFR 60, Subpart GG.

RELEVANT DOCUMENTS

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action and are on file with the Department.

- Permit application received on 05/02/02, complete.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

1. Permitting Authority: All documents related to applications for permits to construct or modify a PSD-major source shall be submitted to the Bureau of Air Regulation of the Florida Department of Environmental Protection (DEP) at 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400 with a copy to the Department's Southwest district Office. All documents related to applications for permits to construct or modify minor sources or for operation permits shall be submitted to the Department's Southwest District Office at 3804 Coconut Palm Drive in Tampa, Florida 33619-8218.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Department's Southwest District Office at 3804 Coconut Palm Drive in Tampa, Florida 33619-8218.
3. Appendices: The following Appendices are attached as part of this permit.
 - Appendix CF describes the format used to cite applicable rules and regulations as well as previous permitting actions.
 - Appendix GC specifies the general conditions applicable to all facilities. The general conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]
 - Appendix GG identifies the applicable NSPS requirements for gas turbines in 40 CFR 60, Subpart GG.
 - Appendix SC lists standard conditions applicable to air pollution sources compiled from Chapters 62-4, 62-210, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403 of the Florida Statutes (F.S.); Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.); and Title 40, Part 60 of the Code of Federal Regulations (CFR), adopted by reference in Rule 62-204.800, F.A.C. The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Operation Permit: This permit authorizes modification of the permitted emissions units and initial operation to determine compliance with Department rules. The permittee shall apply for a minor source air operation permit at least sixty (60) days before the expiration of this construction permit, but no later than ninety (90) days after commencing operation. To apply for an operation permit, the applicant shall submit the appropriate application form, any required compliance test results, and such additional information as the Permitting Authority may by law require. [Rules 62-4.030, 62-4.050, and 62-4.220, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. FGT UNIT NO. 2601, GAS TURBINE COMPRESSOR ENGINE

This section of the permit addresses the following modified emissions unit.

Emissions Unit No. 001 (FGTC No. 2601): Gas Turbine Compressor Engine

Description: 7300 bhp gas-fired gas turbine compressor engine manufactured by Solar (Taurus 60 T-7300S).

Fuel: The gas turbine fires only natural gas (SCC No 2-02-002-01) at a firing rate of approximately 59,615 cubic feet per hour based on the permitted capacity and a higher heating value of 1040 BTU per SCF of gas.

Capacity: The gas turbine produces approximately 7000 bhp (ISO) based on a heat input rate of 62 mmBTU per hour, a compressor inlet air temperature of 59° F, and 60% relative humidity. The unit is intended to operate at or near capacity.

Controls: The gas turbine design incorporates lean premix combustors to minimize NOx emissions. The efficient combustion of natural gas at high temperatures minimizes emissions of CO, PM, SO₂, and VOC.

Stack Parameters: When operating at capacity, exhaust gases exit a 63 feet tall stack that is 6.0 feet in diameter at 920° F with a flow rate of approximately 90,285 acfm.

APPLICABLE STANDARDS AND REGULATIONS

1. **NSPS Requirements:** The gas turbine shall comply with the New Source Performance Standards (NSPS) of Subpart GG in 40 CFR 60. The applicable NSPS requirements are provided in Appendix GG of this permit. The Department believes that the conditions in this section are at least as stringent, or more stringent than, the NSPS requirements of Subpart GG. [Rule 62-4.070(3), F.A.C.; 40 CFR 60, Subpart GG]

EQUIPMENT

2. **Up-Rated Gas Turbine (FGTC No. 2601):** The permittee is authorized to up-rate the existing gas turbine, a Solar Taurus 60 T-6500S, from 6500 bhp to 7300 bhp. The up-rated unit will be identified as a Solar Taurus 60 T-7300S. The permittee shall tune, operate and maintain the gas turbine's lean premix combustion system to reduce emissions of nitrogen oxides below the permitted limits. Ancillary equipment for includes the automated gas turbine control system, an inlet air filtration system, and an exhaust stack that is 63 feet tall and 6.0 feet in diameter. [Applicant Request; Design]

PERFORMANCE RESTRICTIONS

3. **Permitted Capacities:** The maximum heat input rate to the gas turbine shall not exceed 62 MMBtu per hour while producing approximately 7000 bhp based on a compressor inlet air temperature of 59° F, a relative humidity of 60%, 100% load, and a higher heating value (HHV) of 1040 BTU per SCF for natural gas. Heat input rates will vary depending upon gas turbine characteristics, load, and ambient conditions. The permittee shall provide manufacturer's performance curves (or equations) that correct for site conditions to the Permitting and Compliance Authorities within 45 days of completing the initial testing. Performance data shall be adjusted for the appropriate site conditions in accordance with the performance curves and/or equations on file with the Department. {Permitting Note: At a compressor inlet air temperature of 40° F, the gas turbine output approaches 7300 bhp at 64 MMBtu per hour.} [Rule 62-210.200(PTE), F.A.C.]
4. **Authorized Fuel:** The gas turbine shall fire only natural gas with a maximum of 10 grains of sulfur per 100 standard cubic feet of natural gas. [Applicant Request; Rule 62-210.200(PTE), F.A.C.]
5. **Restricted Operation:** The hours of operation for the gas turbine are not limited (8760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. FGT UNIT NO. 2601, GAS TURBINE COMPRESSOR ENGINE

EMISSIONS STANDARDS

6. Emissions Standards: Emissions from the turbine shall not exceed the following limits for carbon monoxide (CO), nitrogen oxides (NOx), opacity, particulate matter (PM), sulfur dioxide (SO₂), and volatile organic compounds (VOC).

Pollutant	Standards	Equivalent Maximum Emissions ^f		Rule Basis ^g
		lb/hour	TPY	
CO ^a	50.0 ppmvd @ 15% O ₂	6.8	29.78	Synthetic minor source
NOx ^b	25.0 ppmvd @ 15% O ₂	5.6	24.53	Synthetic minor source 40 CFR 60.332
SO ₂ ^c	10.0 grains of sulfur per 100 SCF of gas	1.7	7.45	Synthetic minor source 40 CFR 60.333
Opacity ^d	10% opacity, 6-minute average	Not Applicable		Synthetic minor source
PM ^e	Good combustion practices (Factor: 0.0066 lb/mmBTU)	0.4	1.75	Synthetic minor source
VOC ^e	Good combustion practices (Factor: 2.5 ppmvd @ 15% O ₂)	0.2	0.88	Synthetic minor source

- a. The CO standards are based on the average of three test runs as determined by EPA Method 10.
- b. The NOx standards are based on the average of three test runs as determined EPA Method 20.
- c. The fuel sulfur specification is based on the maximum limit specified by Federal Energy Regulatory Commission (FERC) and effectively limits the potential SO₂ emissions. Expected fuel sulfur levels are less than 1 grain per 100 SCF of natural gas from the pipeline.
- d. The opacity standard is based on a 6-minute average, as determined by EPA Method 9.
- e. For both PM and VOC, the efficient combustion of clean fuels is indicated by compliance with opacity and CO standards. Equivalent maximum PM emissions are based on AP-42, Table 3.1-2a. Equivalent maximum VOC emissions were based on available vendor data. No testing required.
- f. Equivalent maximum emissions are based on the maximum emission rates, permitted capacity, a compressor inlet air temperature of 59° F, a relative humidity of 60%, and 8760 hours of operation per year. For comparison purposes, the permittee shall provide a reference table with the initial compliance test report of mass emission rates versus the compressor inlet temperatures. Each test report shall include measured mass emission rates for CO, NOx and SO₂. Mass emission rates for SO₂ shall be calculated based on actual fuel sulfur content and fuel flow rate. For tests conducted at 59° F or greater, measured mass emission rates shall be compared to the equivalent maximum emissions above. For tests conducted below 59° F, measured mass emission rates shall be compared to the tabled mass emission rates provided by the manufacturer based on compressor inlet temperatures.
- g. The emissions standards of this permit ensure that the facility remains a minor source of air pollution with respect to both PSD and Title V air permit programs.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. FGT UNIT NO. 2601, GAS TURBINE COMPRESSOR ENGINE

EMISSIONS PERFORMANCE TESTING

7. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Gas Turbines

Tests shall also be conducted in accordance with the requirements specified in Section 4, Appendix SC of this permit. The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used for compliance testing unless prior written approval is received from the administrator of the Department's Emissions Monitoring Section in accordance with an alternate sampling procedure pursuant to 62-297.620, F.A.C. [Rules 62-204.800 and 62-297.100, F.A.C.; 40 CFR 60, Appendix A]

8. Initial Tests: The gas turbine shall be tested to demonstrate initial compliance with the emission standards for CO, NOx, and visible emissions. The initial tests shall be conducted within 60 days after achieving at least 90% of the maximum permitted capacity, but not later than 180 days after initial operation of the gas turbine. The initial NOx 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 NOx performance tests shall consist of three, 20-minute test runs. The peak load NOx performance test shall consist of three, 1-hour test runs. The CO performance tests shall be conducted concurrently with the NOx performance tests at peak load. SO2 emissions shall be calculated based on fuel flow and vendor analysis of fuel sulfur content. [Rule 62-297.310(7)(a)1, F.A.C.; 40 CFR 60.8 and 60.335]
9. Annual Tests: During each federal fiscal year (October 1 - September 30), the gas turbine shall be tested to demonstrate compliance with the visible emissions standard. The permittee shall perform an annual visible inspection of the gas turbine, filters, and associated piping system for rust spots, cracks, leaks, and odors. Safety valves and stacks shall also be visually inspected to ensure proper working order. The results of the visible emissions observation and visual inspections shall be reported with the following additional items: a report on any non-routine maintenance conducted on each unit, a vendor analysis of the fuel sulfur content, and a general description of the activities and operation of this facility since the last test. [Rule 62-297.310(7)(a)4, F.A.C.]
10. Tests Prior to Renewal of Operation Permit: During the 12-month period prior to renewal of the air operation permit, the gas turbine shall be tested to demonstrate compliance with the emission standards for CO, NOx, and visible emissions. CO and NOx emissions shall be tested concurrently at permitted capacity. SO2 emissions shall be calculated based on fuel flow and vendor analysis of fuel sulfur content. [Rule 62-297.310(7)(a)3, F.A.C.]
11. Test Notification: The permittee shall notify the Compliance Authority in writing at least 30 days prior to any initial NSPS performance tests and at least 15 days prior to any other required tests. [Rule 62-297.310(7)(a)9, F.A.C.; 40 CFR 60.7 and, 60.8]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. FGT UNIT NO. 2601, GAS TURBINE COMPRESSOR ENGINE

RECORDS AND REPORTS

12. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Section 4, Appendix SC of this permit. In addition, NOx emissions shall be corrected to ISO ambient atmospheric conditions and compared to the NSPS Subpart GG standard identified in Appendix GG of this permit for each required test. For each run, the test report shall also indicate the natural gas firing rate (cubic feet per hour), heat input rate (MMBtu per hour), the power output (bhp), percent base load, and the inlet compressor temperature. [Rule 62-297.310(8), F.A.C.; 40 CFR 60.334]
13. Custom Fuel Monitoring Schedule: In lieu of the NSPS fuel monitoring requirements of 40 CFR 60.334 of Subpart GG, the Department approves the custom fuel-monitoring schedule specified in Appendix FM of this permit. [Rule 62-4.070(3), F.A.C.; 40 CFR 60.334]
14. Operational Data: Using the automated gas turbine control system, the permittee shall monitor and record heat input (MMBtu), power output (bhp), and hours of operation. Within the 10 days of a request by the Department or the Compliance Authority, the permittee shall be able to summarize the following information: average heat input (MMBtu per hour); average power output (bhp); and hours of gas turbine operation. This information shall also be used for submittal of the required Annual Operating Report. [Rule 62-4.070(3), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

B. MISCELLANEOUS SUPPORT EQUIPMENT

This permit recognizes the following additional activities at this facility.

Emissions Unit No. 003: Miscellaneous Support Equipment	
003	Miscellaneous support equipment including: <ul style="list-style-type: none">• One gas-fired emergency generator (443 bhp) identified as FGTC No. GEN01;• Condensate storage tanks;• Oily water storage tanks; and• Miscellaneous buildings and pipeline equipment such as pumps, valves, flanges, etc.

{Permitting Notes: The emergency generator is expected to operate much less than 400 hours per year. The activities addressed in this section are included for completeness because they were identified in original air construction Permit No. AC09-229441. However, no changes were made to this equipment.}