



# Department of Environmental Protection

Jeb Bush  
Governor

**ELECTRONIC MAIL**

**rick.craig@panhandleenergy.com**

Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

Colleen M. Castille  
Secretary

Rick Craig, Vice President  
Florida Gas Transmission Company  
Post Office Box 4967  
Houston, TX 77210-4967

Re: Title V Air Operation Permit Renewal  
PROPOSED Title V Permit No.: 0090106-004-AV  
Compressor Station No. 19

Dear Mr. Craig:

One copy of the "PROPOSED Determination" for the Title V Air Operation Permit for the Compressor Station No. 19 located at 3400 Ranch Road, West Melbourne, Brevard County, is enclosed. This letter is only a courtesy to inform you that the DRAFT Permit has become a PROPOSED Permit.

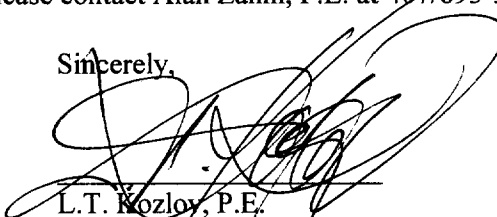
An electronic version of this determination has been posted on the Division of Air Resources Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is:

[http://www.dep.state.fl.us/air/permitting/airpermits/AirSearch\\_ltd.asp](http://www.dep.state.fl.us/air/permitting/airpermits/AirSearch_ltd.asp)

Pursuant to Section 403.0872(6), Florida Statutes, if no objection to the PROPOSED Permit is made by the USEPA within 45 days, the PROPOSED permit will become a FINAL Permit no later than 55 days after the date on which the PROPOSED permit was mailed (posted) to USEPA. If USEPA has an objection to the PROPOSED Permit, the FINAL Permit will not be issued until the permitting authority receives written notice that the objection is resolved or withdrawn.

If you should have any questions, please contact Alan Zahm, P.E. at 407/893-3335.

Sincerely,



L.T. Kozloy, P.E.  
Program Administrator  
Air Resources Management

LTK/azt  
Enclosures

Copy furnished to:

David Jones Parham, P.E., (david.parham@panhandleenergy.com)

Tom Mulligan, FDEP

Caroline Shine, FDEP

Barbara Friday, BAR, [barbara.friday@dep.state.fl.us] (for posting with Region 4, U.S. EPA)

## **PROPOSED Determination**

PROPOSED Permit No.: 0090106-004-AV

Page 1 of 1

### **I. Public Notice.**

An “INTENT TO ISSUE TITLE V AIR OPERATION PERMIT” to Florida Gas Transmission Company located at 3400 Ranch Road, West Melbourne, Brevard County, was clerked on October 13, 2005. The “PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT” was published in the **Florida Today**, on December 2, 2005. The DRAFT Title V Air Operation Permit was available for public inspection at the permitting authority’s office in Orlando. Proof of publication of the “PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT” was received on December 12, 2005.

### **II. Public Comment(s).**

No comments were received during the 30 (thirty) day public comment period. Since no comments were received, the DRAFT Permit becomes the PROPOSED Permit.

### **III. Conclusion.**

The permitting authority hereby issues the PROPOSED Permit No. 0090106-004-AV.

Florida Gas Transmission Company  
**Facility ID No.:** 0090106  
Brevard County

Title V Air Operation Permit Renewal  
**PROPOSED Permit No.:** 0090106-004-AV

**Permitting Authority:**  
Florida Department of Environmental Protection  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803  
Telephone: 407/893-3334  
Fax: 407/897-5963

**Title V Air Operation Permit Renewal**  
Florida Gas Transmission Company  
Compressor Station No. 19  
**PROPOSED** Permit No.: 0090106-004-AV

TABLE OF CONTENTS

<u>Description</u>	<u>Page Number</u>
Placard Page	i
Table of Contents	ii
Permit Cover Page	1
Section I. Facility Information	2
Subsection A. Facility Description	2
Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s)	2
Subsection C. Relevant Documents.	2
Section II. Facility-wide Conditions	3
Section III. Emissions Unit(s) and Conditions	
Subsection A. - Emission Unit 001 – I. C. Engine No. 1901	6
Emission Unit 002 – I. C. Engine No. 1902	6
Emission Unit 003 – I. C. Engine No. 1903	6
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers	
Appendix H-1, Permit History/ID Number Changes	
Appendix I-1, List of Insignificant Emissions Units and/or Activities	
APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/7/96)	
APPENDIX TV-5, TITLE V CONDITIONS (version dated 03/28/05)	
Table 297.310-1, CALIBRATION SCHEDULE (version dated 10/7/96)	



Jeb Bush  
Governor

# Department of Environmental Protection

Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

Colleen M. Castille  
Secretary

**Permittee:**

Florida Gas Transmission Company  
Post Office Box 4967  
Houston, Texas 77210-4967

**PROPOSED Permit No.:** 0090106-004-AV

**Facility ID No.:** 0090106

**SIC Nos.:** 49, 4922

**Project:** Compressor Station No. 19

Attn: Rick Craig, Vice President

This permit is for the operation of Compressor Station No. 19 located at 3400 Ranch Road, West Melbourne, Brevard County; UTM Coordinates: Zone 17, 528.7 km East and 3101.6 km North; Latitude: 28° 02' 54" North and Longitude: 81° 42' 06" West.

**STATEMENT OF BASIS:** This Title V air operation permit 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.

**Referenced attachments made a part of this permit:**

Appendix I-1, List of Insignificant Emissions Units and/or Activities  
APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/7/96)  
APPENDIX TV-5, TITLE V CONDITIONS (version dated 03/28/05)  
Table 297.310-1, CALIBRATION SCHEDULE (version dated 10/7/96)

<b>Renewal Effective Date:</b>	<b>to be determined</b>
<b>Renewal Application Due Date:</b>	<b>April 1, 2010</b>
<b>Expiration Date:</b>	<b>October 1, 2010</b>

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

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L. T. Kozlov, P.E.  
Program Administrator  
Air Resources Management

Florida Gas Transmission Company  
Compressor Station No. 19

PROPOSED Permit No.: 0090106-004-AV

**Section I. Facility Information.**

**Subsection A. Facility Description.**

The permittee may operate the Compressor Station No. 19. This facility consists of three natural gas fired internal combustion engines. Two are rated at 2600 bhp and are manufactured by Dresser-Rand, Model 412-KVSRA; one is rated at 5000 bhp and is manufactured by Dresser-Rand, Model TCVD-10. This facility is part of a natural gas pipeline system serving the State of Florida.

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

Based on the Title V permit renewal applications received July 31, 2000 and April 5, 2005, this facility is a major source of hazardous air pollutants (HAPs).

**Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).**

**E.U. ID No.**

**Brief Description**

001	I. C. Engine No. 1901 (2600 bhp)
002	I. C. Engine No. 1902 (2600 bhp)
003	I. C. Engine No. 1903 (5000 bhp)

*Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.*

**Subsection C. Relevant Documents.**

The documents listed below are not a part of this permit, however, are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History / ID Number Changes

Statement of Basis

These documents are on file with permitting authority:

Initial Title V Permit Application received June 17, 1996.

Initial Title V Permit issued September 26, 1997.

Title V Permit Renewal Application received July 31, 2000.

Title V Permit Renewal Application received April 5, 2005.

Florida Gas Transmission Company  
Compressor Station No. 19

PROPOSED Permit No.: 0090106-004-AV

## **Section II. Facility-wide Conditions.**

### **The following conditions apply facility-wide:**

1. APPENDIX TV-5, TITLE V CONDITIONS is a part of this permit.
2. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), F.A.C.]
3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Rule 62-297, F.A.C.  
[Rule 62-296.320(4)(b)1., F.A.C.]
4. Prevention of Accidental Releases (Section 112(r) of CAA).
  - a) The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:  
RMP Reporting Center  
Post Office Box 1515  
Lanham-Seabrook, MD 20703-1515  
Telephone: 301/429-5018
  - b) The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.  
[40 CFR 68]
5. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.  
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]
6. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.  
[Rule 62-296.320(1)(a), F.A.C.]

Florida Gas Transmission Company  
Compressor Station No. 19

PROPOSED Permit No.: 0090106-004-AV

7. Emissions of Unconfined Particulate Matter. Pursuant to Rule 62-296.320(4)(c), F.A.C. and the application, this facility has **no** emissions of unconfined particulate matter (see Condition 57. of APPENDIX TV-5, TITLE V CONDITIONS).

[Rule 62-296.320(4)(c), F.A.C. and Title V application received April 5, 2005]

8. When appropriate, any recordings, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.]

9. Annual Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.

[Rules 62-213.440(3) and 62-213.900, F.A.C.]

{Permitting note: This condition implements the requirements of Rules 62-213.440(3)(a)2. &3., F.A.C. (see Condition 51 of APPENDIX TV-5, TITLE V CONDITIONS)}

10. The permittee shall submit all compliance related notifications and reports required of this permit to the following office:

Florida Department of Environmental Protection  
3319 Maguire Blvd.  
Suite 232  
Orlando, Florida 32803  
Telephone: 407/893-3334; Fax: 407/897-5963

11. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency  
Region 4  
Air, Pesticides & Toxic Management Division  
Air and EPCRA Enforcement Branch  
Air Enforcement Section  
61 Forsyth Street  
Atlanta, Georgia 30303-8960  
Telephone: 404/562-9155; Fax: 404/562-9163

12. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information. [Rule 62.213.420(4), F.A.C.]



Florida Gas Transmission Company  
Compressor Station No. 19

PROPOSED Permit No.: 0090106-004-AV

**13. Annual Operating Report.** A DEP Form No. 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", including the Emissions Report, shall be completed for each calendar year, **on or before March 1** of the following year and submitted to the air compliance section of this office. [Rule 62-210.370(3), F.A.C.]

**14. Annual Emissions Fee.** Each Title V source permitted to operate in Florida must pay between January 15 and March 1 of each year, upon written notice from the Department, an annual emissions fee in accordance with Rule 62-213.205, F.A.C., and the appropriate form and associated instructions. [Rules 62-213.205 and 62-213.900(1), F.A.C.]

**15. Annual Emissions Fee.** Any documentation of actual hours of operation, actual material or heat input, actual production amount, or actual emissions used to calculate the annual emissions fee shall be retained by the owner for a minimum of five (5) years and shall be made available to the Department upon request.  
[Rule 62-213.205(1)(j), F.A.C.]

**16. Annual Emissions Fee.** A completed DEP Form 62-213.900(1), F.A.C., "Major Air Pollution Source Annual Emissions Fee Form", must be submitted by the responsible official with the annual emissions fee.  
[Rule 62-213.205(1)(k), F.A.C.]

**17.** At least 180 days prior to the expiration date of this operation permit, the permittee shall submit to this office four copies of the air permit application, DEP Form No. 62-210.900(1).  
[Rule 62-4.090(1), F.A.C.]

Florida Gas Transmission Company  
Compressor Station No. 19

PROPOSED Permit No.: 0090106-004-AV

### **Section III. Emissions Unit(s) and Conditions.**

**Subsection A. This section addresses the following emissions units.**

**E.U. ID No.**

**Brief Description**

001 I. C. Engine No. 1901 (2600 bhp)  
002 I. C. Engine No. 1902 (2600 bhp)  
003 I. C. Engine No. 1903 (5000 bhp)

Two internal combustion engines are rated at 2600 bhp each and are manufactured by Dresser-Rand, Model 412-KVSRA. One internal combustion engine is rated at 5000 bhp and is manufactured by Dresser-Rand, Model TCVD-10.

**The following conditions apply to the emissions unit(s) listed above:**

**Essential Potential to Emit (PTE) Parameters**

1. Capacity. The maximum natural gas consumption for engine numbers 1901 and 1902 shall not exceed 0.0227 MMCF/hr per engine (based on a fuel heating value of 1040 BTU/SCF). The maximum natural gas consumption for engine number 1903 shall not exceed 0.0442 MMCF/hr (based on a fuel heating value of 1040 BTU/SCF) and the maximum heat input shall not exceed 46.0 MMBTU/hr.

[Rule 62-210.200, (PTE), F.A.C.]

2. Methods of Operation. Each engine is allowed to use natural gas only.

[Rule 62.210.200, (PTE), F.A.C.]

3. Hours of Operation. Each engine is allowed to operate continuously.

[Rule 62-210.200, (PTE), F.A.C.]

**Emission Limitations and Standards**

4. The maximum allowable emissions from each engine numbers 1901 and 1902 shall not exceed the emission rates as follows:

<u>Pollutant</u>	<u>Lbs/hr</u>	<u>Tons/yr</u>	<u>Emission factor</u>
Nitrogen Oxides	11.0	48.3	1.92 g/bhp-hr
Carbon Monoxide	15.4	67.6	2.69 g/bhp-hr
VOC (non-methane)	9.4	41.0	1.64 g/bhp-hr
Particulates (TSP)	0.24	1.0	0.0009 lbs/MMBtu

5. The maximum allowable emissions from engine number 1903 shall not exceed the emission rates as follows:

<u>Pollutant</u>	<u>Lbs/hr</u>	<u>Tons/yr</u>	<u>Emission factor</u>
Nitrogen Oxides	22.05	96.58	2.0 g/bhp-hr
Carbon Monoxide	30.87	135.21	2.8 g/bhp-hr
VOC (non-methane)	8.82	38.63	0.8 g/bhp-hr
Particulates (TSP)	2.22	9.7	0.04831 lbs/MMbtu
Particulates (PM10/2.5)	2.22	9.7	0.04831 lbs/MMbtu
Sulfur Dioxide	1.13	4.94	10 gr S/100 scf
HAPs	3.66	16.0	0.0795 lbs/MMbtu

[Construction permit AC05-189665 and Title V permit renewal application received April 5, 2005]

6. Visible emissions shall not exceed 10% opacity.  
[Construction permits AC05-189655 and AC05-229322]

#### **Test Methods and Procedures**

7. Each unit shall demonstrate compliance with its emission limit for each affected pollutant at yearly intervals during each federal fiscal year (Oct. 1 to Sept. 30) unless the units are operated less than 400 hours per year in the federal fiscal year. Otherwise, each unit shall be compliance tested at least 60 days prior to permit expiration date.

[Rules 62-297.401, 62-297.310(4)(a)2., and 62-297.310(7)(a)3. & 4, F.A.C. and Title V renewal application received April 5, 2005]

8. Compliance with the NOX, SO<sub>2</sub>, CO, visible emissions, and VOC standards shall be determined by the following reference methods as described in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297.401, F.A.C.:

- a) Method 1      Sample and Velocity Traverse
- b) Method 2      Volumetric Flow Rate
- c) Method 3A     Gas Analysis
- d) Method 7E     Determination of Nitrogen Oxides Emissions from Stationary Sources
- e) Method 9      Determination of the Opacity of the Emissions from Stationary Sources
- f) Method 10     Determination of Total Gaseous Nonmethane Organic Emissions as Carbon
- g) Method 25A    Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer

9. Compliance with the SO<sub>2</sub> emission limit can be demonstrated by calculations based on fuel

Florida Gas Transmission Company  
Compressor Station No. 19

PROPOSED Permit No.: 0090106-004-AV

**10. Initial compliance with the volatile organic compound (VOC) emission limits** was demonstrated by EPA Method 25A, thereafter, compliance with the VOC emission limits is assumed, provided the CO allowable emission limit is not exceeded. Test results will be the average of three valid runs.

[Construction permits AC05-189655, AC05-229322, and Rule 62-297.401, F.A.C.]

**11. The provisions of EPA Method 9 (40CFR), Appendix A) are adopted by reference with the following exceptions:**

a) EPA Method 9, Section 2.4, Recording Observations. Opacity observations shall be made and recorded by a certified observer at sequential fifteen-second intervals during the required period of observation.

b) EPA Method 9, Section 2.5, Data Reduction. For a set of observations to be acceptable, the observer shall have made and recorded, or verified the recording of, at least 90 percent of the possible individual observations during the required observation period. For single-valued opacity standards (e.g. 20 percent opacity), the test result shall be the highest valid six-minute average for the set of observations taken. For multiple-valued opacity standards (e.g. 20 percent opacity, except that an opacity of 40 percent is permissible for not more than two minutes per hour) opacity shall be computed as follows:

1) For the basic part of the standard (i.e., 20 percent opacity) the opacity shall be determined as specified above for a single-valued opacity standard.

2) For the short-term average part of the standard, opacity shall be the highest valid short-term average (i.e., two-minute, three-minute average) for the set of observations taken.

In order to be valid, any required average (i.e., a six-minute or two-minute average) shall be based on all of the valid observations in the sequential subset of observations selected, and the selected subset shall contain at least 90 percent of the observations possible for the required averaging time. Each required average shall be calculated by summing the opacity value of each of the valid observations in the subset, dividing this sum by the number of valid observations in the subset, and rounding the result to the nearest whole number. The number of missing observations in the subset shall be indicated in parenthesis after the subset average value.

[Rule 62-297.401, F.A.C.]

**12. At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the air compliance section of this office. The notification must include the following information: the date, time and location of each test; the name and telephone number of the facility's contact person who will be responsible for**

Florida Gas Transmission Company  
Compressor Station No. 19

PROPOSED Permit No.: 0090106-004-AV

**13. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity.** Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

[Rule 62-297.310(2)& (2) (b), F.A.C.]

**14. Reports of the required emissions tests shall be filed with the Department of Environmental Protection's Central District office as soon as practical but no later than 45 days after the last test is completed.**

[Rules 62-297.310(8), F.A.C.]

**Monitoring of Operations**

**15. Required Equipment.** The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

[Rule 62-297.310(5), F.A.C.]

**16. Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10 percent of its true value.

[Rule 62-297.310(5), F.A.C.]

**17. In order to demonstrate compliance with operating condition number 1, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log shall contain the designation of the month and year of operation for which the records are being tabulated and at least the following:**

a) hourly heat input rate averaged from the monthly fuel use

b) hourly fuel usage rate averaged from the monthly fuel use

[Rule 62-4.070(3), F.A.C.]

## Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

### Abbreviations and Acronyms:

<b>°F:</b>	Degrees Fahrenheit
<b>BACT:</b>	Best Available Control Technology
<b>CFR:</b>	Code of Federal Regulations
<b>DEP:</b>	State of Florida, Department of Environmental Protection
<b>DARM:</b>	Division of Air Resource Management
<b>EPA:</b>	United States Environmental Protection Agency
<b>F.A.C.:</b>	Florida Administrative Code
<b>F.S.:</b>	Florida Statute
<b>ISO:</b>	International Standards Organization
<b>LAT:</b>	Latitude
<b>LONG:</b>	Longitude
<b>MMBtu:</b>	million British thermal units
<b>MW:</b>	Megawatt
<b>ORIS:</b>	Office of Regulatory Information Systems
<b>SOA:</b>	Specific Operating Agreement
<b>UTM:</b>	Universal Transverse Mercator

### Citations:

*The following examples illustrate the methods used in this permit to abbreviate and cite the references of rules, regulations, guidance memorandums, permit numbers, and ID numbers.*

#### Code of Federal Regulations:

*Example:* **[40 CFR 60.334]**

Where:	40	reference to	Title 40
	CFR	reference to	Code of Federal Regulations
	60	reference to	Part 60
	60.334	reference to	Regulation 60.334

#### Florida Administrative Code (F.A.C.) Rules:

*Example:* **[Rule 62-213, F.A.C.]**

Where:	62	reference to	Title 62
	62-213	reference to	Chapter 62-213

## Identification Numbers:

### Facility Identification (ID) Number:

*Example:* Facility ID No.: 1050221

*Where:*

105 = 3-digit number code identifying the facility is located in Polk County  
0221 = 4-digit number assigned by state database.

### Permit Numbers:

*Example:* 1050221-002-AV, or  
1050221-001-AC

*Where:*

AC = Air Construction Permit  
AV = Air Operation Permit (Title V Source)  
105 = 3-digit number code identifying the facility is located in Polk County  
0221 = 4-digit number assigned by permit tracking database  
001 or 002 = 3-digit sequential project number assigned by permit tracking database

*Example:* PSD-FL-185  
PA95-01  
AC53-208321

*Where:*

PSD = Prevention of Significant Deterioration Permit  
PA = Power Plant Siting Act Permit  
AC = old Air Construction Permit numbering

**Appendix H-1, Permit History/ID Number Changes**

**Florida Gas Transmission Company  
Compressor Station No. 19**

**PROPOSED Permit No.: C  
Facility ID No.: 0090**

**Permit History (for tracking purposes):**

E.U.		<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date 1, 2</u>
<u>I.D. No.</u>						
- 001		I. C. Engine No. 1901	AC05-189665	5/8/91	12/31/93	
- 002		I. C. Engine No. 1902	AC05-189665	5/8/91	12/31/93	
- 003		I. C. Engine No. 1903	AC05-229332	9/23/93	1/30/96	
All		Initial Title V Permit	0090106-001-AV	9/26/97	1/30/01	
All		Title V Permit Renewal	0090106-003-AV	4/7/01	10/1/05	

**(If applicable) ID Number Changes (for tracking purposes):**

**From: Facility ID No.: N/A**

**To: Facility ID No.: N/A**

**Notes:**

- 1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.**  
**2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.**  
**{Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits}**



## Appendix I-1, List of Insignificant Emissions Units and/or Activities.

Florida Gas Transmission Company  
Compressor Station No. 19

**PROPOSED Permit No.:** 0090106-004-AV  
**Facility I.D. No.:** 0090106

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The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rule 62.210.300(3)(a), F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and/or activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

### Brief Description of Emissions Units and/or Activities

1. Emergency Generator - a 385 hp emergency generator rated at 2.07 MMBTU/hr and operated less than 500 hrs/yr.
2. Oily Water Tanks - two 210 bbl storage tanks used to store wastewater containing used lube oil.
3. Diesel Fuel Storage Tank – a portable 100 gal. tank used to store diesel fuel.
4. Lube Oil Rundown Tanks – two tanks used to store lube oil (500 and 6000 gal.).
5. Parts Cleaner - a parts cleaner using mineral spirits as a cleaning fluid.
6. Fugitive Component Leaks – leaks from numerous sources that are valves, flanges, and other components.
7. Evaporator System – a small evaporator tank used to evaporate water from oily wastewater fired by a 0.18 MMBTU/hr heater.
8. Lube Oil Storage Tanks - two horizontal lube oil storage tanks of 6,000 and 8,700 gallons and storing an organic liquid having a true vapor pressure of approximately 0.019 psia.

## APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 3/2/99)

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Stack Sampling Facilities Provided by the Owner of an Emissions Unit. This section describes the minimum requirements for stack sampling facilities that are necessary to sample point emissions units. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. Emissions units must provide these facilities at their expense. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E.

(a) Permanent Test Facilities. The owner or operator of an emissions unit for which a compliance test, other than a visible emissions test, is required on at least an annual basis, shall install and maintain permanent stack sampling facilities.

(b) Temporary Test Facilities. The owner or operator of an emissions unit that is not required to conduct a compliance test on at least an annual basis may use permanent or temporary stack sampling facilities. If the owner chooses to use temporary sampling facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.

(c) Sampling Ports.

1. All sampling ports shall have a minimum inside diameter of 3 inches.
2. The ports shall be capable of being sealed when not in use.
3. The sampling ports shall be located in the stack at least 2 stack diameters or equivalent diameters downstream and at least 0.5 stack diameter or equivalent diameter upstream from any fan, bend, constriction or other flow disturbance.

4. For emissions units for which a complete application to construct has been filed prior to December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 15 feet or less. For stacks with a larger diameter, four sampling ports, each 90 degrees apart, shall be installed. For emissions units for which a complete application to construct is filed on or after December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 10 feet or less. For stacks with larger diameters, four sampling ports, each 90 degrees apart, shall be installed. On horizontal circular ducts, the ports shall be located so that the probe can enter the stack vertically, horizontally or at a 45 degree angle.

5. On rectangular ducts, the cross sectional area shall be divided into the number of equal areas in accordance with EPA Method 1. Sampling ports shall be provided which allow access to each sampling point. The ports shall be located so that the probe can be inserted perpendicular to the gas flow.

(d) Work Platforms.

1. Minimum size of the working platform shall be 24 square feet in area. Platforms shall be at least 3 feet wide.

2. On circular stacks with 2 sampling ports, the platform shall extend at least 110 degrees around the stack.

3. On circular stacks with more than two sampling ports, the work platform shall extend 360 degrees around the stack.

4. All platforms shall be equipped with an adequate safety rail (ropes are not acceptable), toeboard, and hinged floor-opening cover if ladder access is used to reach the platform. The safety rail directly in line with the sampling ports shall be removable so that no obstruction exists in an area 14 inches below each sample port and 6 inches on either side of the sampling port.

(e) Access to Work Platform.

1. Ladders to the work platform exceeding 15 feet in length shall have safety cages or fall arrestors with a minimum of 3 compatible safety belts available for use by sampling personnel.

2. Walkways over free-fall areas shall be equipped with safety rails and toeboards.

(f) Electrical Power

## APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 3/2/99)

(continued)

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1. A minimum of two 120-volt AC, 20-amp outlets shall be provided at the sampling platform within 20 feet of each sampling port.

2. If extension cords are used to provide the electrical power, they shall be kept on the plant's property and be available immediately upon request by sampling personnel.

(g) Sampling Equipment Support.

1. A three-quarter inch eyebolt and an angle bracket shall be attached directly above each port on vertical stacks and above each row of sampling ports on the sides of horizontal ducts.

a. The bracket shall be a standard 3 inch x 3 inch x one-quarter inch equal-legs bracket which is 1 and one-half inches wide. A hole that is one-half inch in diameter shall be drilled through the exact center of the horizontal portion of the bracket. The horizontal portion of the bracket shall be located 14 inches above the centerline of the sampling port.

b. A three-eighth inch bolt which protrudes 2 inches from the stack may be substituted for the required bracket. The bolt shall be located 15 and one-half inches above the centerline of the sampling port.

c. The three-quarter inch eyebolt shall be capable of supporting a 500 pound working load. For stacks that are less than 12 feet in diameter, the eyebolt shall be located 48 inches above the horizontal portion of the angle bracket. For stacks that are greater than or equal to 12 feet in diameter, the eyebolt shall be located 60 inches above the horizontal portion of the angle bracket. If the eyebolt is more than 120 inches above the platform, a length of chain shall be attached to it to bring the free end of the chain to within safe reach from the platform.

2. A complete monorail or dualrail arrangement may be substituted for the eyebolt and bracket.

3. When the sample ports are located in the top of a horizontal duct, a frame shall be provided above the port to allow the sample probe to be secured during the test.

[Rule 62-297.310(6), F.A.C.]

## APPENDIX TV-5, TITLE V CONDITIONS (version dated 03/28/05)

[Note: This attachment includes "canned conditions" developed from the "Title V Core List."]

{Permitting note: APPENDIX TV-5, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}

### Chapter 62-4, F.A.C.

1. **Not federally enforceable. General Prohibition.** Any stationary installation which will reasonably be expected to be a source of pollution shall not be operated, maintained, constructed, expanded, or modified without the appropriate and valid permits issued by the Department, unless the source is exempted by Department rule. The Department may issue a permit only after it receives reasonable assurance that the installation will not cause pollution in violation of any of the provisions of Chapter 403, F.S., or the rules promulgated thereunder. A permitted installation may only be operated, maintained, constructed, expanded or modified in a manner that is consistent with the terms of the permit.

[Rule 62-4.030, Florida Administrative Code (F.A.C.); Section 403.087, Florida Statute (F.S.)]

2. **Not federally enforceable. Procedures to Obtain Permits and Other Authorizations; Applications.**

(1) Any person desiring to obtain a permit from the Department shall apply on forms prescribed by the Department and shall submit such additional information as the Department by law may require.

(2) All applications and supporting documents shall be filed in quadruplicate with the Department.

(3) To ensure protection of public health, safety, and welfare, any construction, modification, or operation of an installation which may be a source of pollution, shall be in accordance with sound professional engineering practices pursuant to Chapter 471, F.S. All applications for a Department permit shall be certified by a professional engineer registered in the State of Florida except, when the application is for renewal of an air pollution operation permit at a non-Title V source as defined in Rule 62-210.200, F.A.C., or where professional engineering is not required by Chapter 471, F.S. Where required by Chapter 471 or 492, F.S., applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

(4) Processing fees for air construction permits shall be in accordance with Rule 62-4.050(4), F.A.C.

(5)(a) To be considered by the Department, each application must be accompanied by the proper processing fee. The fee shall be paid by check, payable to the Department of Environmental Protection. The fee is non-refundable except as provided in Section 120.60, F.S., and in this section.

(b) When an application is received without the required fee, the Department shall acknowledge receipt of the application and shall immediately notify the applicant that the required fee was not received and advise the applicant of the correct fee. The Department shall take no further action until the correct fee is received. If a fee was received by the Department which is less than the amount required, the Department shall return the fee along with the written notification.

(c) Upon receipt of the proper application fee, the permit processing time requirements of Sections 120.60(2) and 403.0876, F.S., shall begin.

(d) If the applicant does not submit the required fee within ten days of receipt of written notification, the Department shall either return the unprocessed application or arrange with the applicant for the pick up of the application.

(e) If an applicant submits an application fee in excess of the required fee, the permit processing time requirements of Sections 120.60(2) and 403.0876, F.S., shall begin upon receipt, and the Department shall refund to the applicant the amount received in excess of the required fee.

(6) Any substantial modification to a complete application shall require an additional processing fee determined pursuant to the schedule set forth in Rule 62-4.050, F.A.C., and shall restart the time requirements of Sections 120.60 and 403.0876, F.S. For purposes of this subsection, the term "substantial modification" shall mean a modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review.

(7) Modifications to existing permits proposed by the permittee which require substantial changes in the existing permit or require substantial evaluation by the Department of potential impacts of the proposed modifications shall require the same fee as a new application for the same time duration except for modification under Chapter 62-45, F.A.C.

[Rule 62-4.050, F.A.C.]

**TABLE 297.310-1 CALIBRATION SCHEDULE**  
**(version dated 10/07/96)**

[Note: This table is referenced in Rule 62-297.310, F.A.C.]

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent, or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/-0.001" mean of at least three readings Max. deviation between readings .004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, When 5% change observed, Annually 2. One Point: Semiannually 3. Check after each test series	Spirometer or calibrated wet test or dry gas test meter	2%
		Comparison check	5%

## STATEMENT OF BASIS

Florida Gas Transmission Company  
Compressor Station No. 19  
Facility ID No.: 0090106  
Brevard County

Title V Air Operation Permit Renewal  
**PROPOSED Permit No.: 0090106-004-AV**

This Title V air operation permit 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.

This facility consists of three natural gas fired internal combustion engines. Two are rated at 2,600 bhp and are manufactured by Dresser-Rand, Model 412-KVSRA and one is rated at 5,000 bhp and is manufactured by Dresser-Rand, Model TCVD-10. This facility is part of a natural gas pipeline system serving the State of Florida. Also included in this permit are miscellaneous insignificant emission units and/or activities.

Based on the Title V permit renewal application received April 5, 2005, this facility is a major source of hazardous air pollutants (HAPs).

The applicable emission limitations are as follows:

The three engines are subject to a 10 percent opacity limit per construction permits AC05-189655 and AC05-229322.

Hourly and annual emissions limits for each of the two 2,600 bhp engines (1901 and 1902) are as follows, per construction permit AC05-189665 and Title V permit renewal application received April 5, 2005:

<u>Pollutant</u>	<u>Lbs/hr</u>	<u>Tons/yr</u>
Nitrogen Oxides	11.0	48.3
Carbon Monoxide	15.4	67.6
VOC (non-methane)	9.4	41.0
Particulates (TSP)	0.24	1.0
Particulates (PM10/2.5)	0.24	1.0
Sulfur Dioxide	0.51	2.2
HAPs	1.7	7.5

Hourly and annual emissions limits for the 5,000 bhp engine (1903) is as follows, per construction permit AC05-189665 and Title V permit renewal application received April 5, 2005:

<u>Pollutant</u>	<u>Lbs/hr</u>	<u>Tons/yr</u>
Nitrogen Oxides	22.05	96.58
Carbon Monoxide	30.87	135.21
VOC (non-methane)	8.82	38.63
Particulates (TSP)	2.22	0.7