



Florida Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

December 9, 1993

Mr. Allan Weatherford
Compliance Environmentalist
Florida Gas Transmission Company
P.O. Box 94500
Maitland, Florida 32794-5100

Dear Mr. Weatherford:

RE: Request for Amendments and Extensions to Air Construction
Permits AC 57-188869, AC 67-189220, AC 20-189438,
AC 62-189439, AC 04-189454, AC 42-189455, AC 48-189456,
AC 05-189655, and AC 56-189457
Phase II - Florida Gas Transmission Company

The Department is in receipt of Mr. Barry Andrew's letter dated December 3, 1993, on behalf of your company, requesting to amend the above permits to use EPA Method 3A instead of EPA Method 3 for Gas Analysis. The Department has reviewed this request and has determined to amend the above mentioned permits as requested.

Specific Condition No. 8 of the above mentioned permits will be amended as follows:

SPECIFIC CONDITION NO. 8

FROM:

8. Compliance with the NO_x, SO₂, CO, VE, and VOC standards shall be determined by the following reference methods as described in 40 CFR 60, Appendix A (July 1, 1988) and adopted by reference in F.A.C. Rule 17-2.700.

- Method 1. Sample and Velocity Traverses
- Method 2. Volumetric Flow Rate
- Method 3. Gas Analysis
- Method 7E. Determination of Nitrogen Oxides Emissions from Stationary Sources
- Method 9. Determination of the Opacity of the Emissions from Stationary Sources
- Method 10. Determination of the Carbon Monoxide Emission from Stationary Sources
- Method 25. Determination of Total Gaseous Nonmethane Organic Emissions as Carbon

Mr. Allan Weatherford
December 9, 1993
Page Two

TO:

8. Compliance with the NO_x, SO₂, CO, VE, and VOC standards shall be determined by the following reference methods as described in 40 CFR 60, Appendix A (July 1, 1992) and adopted by reference in F.A.C. Rule 17-2.700.

- Method 1. Sample and Velocity Traverses
- Method 2. Volumetric Flow Rate
- **Method 3A. Gas Analysis**
- Method 7E. Determination of Nitrogen Oxides Emissions from Stationary Sources
- Method 9. Determination of the Opacity of the Emissions from Stationary Sources
- Method 10. Determination of the Carbon Monoxide Emission from Stationary Sources
- **Method 25A. Determination of Total Gaseous Organic Concentrations Using a Flame Ionization Analyses**

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the applicant of the amendment request/application and the parties listed below must be filed within 14 days of receipt of this amendment. Petitions filed by other persons must be filed within 14 days of the amendment issuance or within 14 days of their receipt of this amendment, whichever occurs first. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;

Mr. Allan Weatherford
December 9, 1993
Page Three

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action;

(g) A statement of the relief sought by petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this amendment. Persons whose substantial interests will be affected by any decision of the Department with regard to the request/application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this amendment in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This letter must be attached to the above mentioned permits and shall become a part of each permit.

Sincerely,



Howard Rhodes
Director
Division of Air Resources
Management

Attachment to be Incorporated

Mr. Barry Andrew's letter of December 3, 1993.

cc: E. Middleswart, NWD
Robert Leetch, NED
Charles Collins, CD
Isidore Goldman, SED
Duane Pierce, FGTC
Barry Andrews, ENSR

Mr. Allan Weatherford
December 9, 1993
Page Four

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this AMENDMENT and all copies were mailed by certified mail before the close of business on 12/21/93 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to
§120.52(11), Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.

Barbara J. Boutwell
Clerk

12/21/93
Date



ENSR Consulting
and Engineering
2809 West Mall Drive
Florence, AL 35630
(205) 767-1210
FAX (205) 767-1211

December 3, 1993

Mr. Clair Fancy, P.E.
Chief, Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blairstone Road
Tallahassee, FL 32399-2400

RECEIVED

DEC - 6 1993

Division of Air
Resources Management

Dear Clair:

**RE: Request for Amendments to Permits
Florida Gas Transmission Company**

Station 12 - Permit No. AC57-188869
Munson, Santa Rosa County, Florida

Station 13 - Permit No. AC67-189220
Caryville, Washington county, Florida

Station 14 - Permit No. AC20-189438
Quincy, Gadsden County, Florida

Station 15 - Permit No. AC62-189439
Perry, Taylor County, Florida

Station 16 - Permit No. AC04-189454
Brooker, Bradford County, Florida

Station 17 - Permit No. AC42-189455
Salt Springs, Marion County, Florida

Station 18 - Permit No. AC48-189456
Orlando, Orange County, Florida

Station 19 - Permit No. AC05-189665
Melbourne, Brevard County, Florida

Station 20 - Permit No. AC56-189457
Ft. Pierce, St. Lucie County, Florida



December 3, 1993
Mr. Clair Fancy
Page 2

This letter is in response to our recent conversation regarding a previous request by Florida Gas Transmission Company (FGTC) to amend the above permits to include Method 3A instead of Method 3.

On June 29, 1993, FGTC requested that the permits for the compressor engines referenced in this letter be amended to adjust the horsepower ratings and heat input rates. On September 9, 1993 (letter attached), FGTC further requested that specific condition 8 in each of the permits be amended to replace Method 3 with 3A, and that the SO₂ emission limits be clarified to base SO₂ emissions on the fuels sulfur content.

On September 17, 1993 the Division of Air Resources Management (DARM) responded to FGTC's request with a letter amending the permits. Included were the amendments for horsepower ratings, heat input, restrictions, and clarification of sulfur as the basis for SO₂ emissions.

It has recently come to FGTC's attention through the process of obtaining operating permits from the district offices that the request to replace Method 3 with Method 3A was not included in DARM's response. Until now it was assumed that the request had been included in the September 17, 1993 letter of amendment.

Accordingly, FGTC requests that DARM evaluate the request for the amendment to the testing method. This should not require an alternate sampling procedure since there is no regulatory requirement for determining the oxygen and carbon dioxide concentrations from compressor station engines.

Your expedited response to this request is appreciated since it relates to the issuance of our operating permits. Should you need additional information or have any questions please contact Mr. Alan Weatherford with FGTC at (407) 875-5816.

Sincerely,

A handwritten signature in cursive script that reads "Barry Andrews".

Barry D. Andrews, P.E.
Manager, Air Quality Services

cc : Alan Weatherford

Enclosure



Florida Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

September 17, 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Allan Weatherford
Compliance Environmentalist
Florida Gas Transmission Company
P. O. Box 94500
Maitland, Florida 32794-5100

Dear Mr. Weatherford:

Re: Request for Amendments and Extensions to Air Construction
Permits AC57-188869, AC67-189220, AC20-189438, AC62-189439,
AC04-189454, AC42-189455, AC48-189456, AC05-189655, and
AC56-189457

The Department is in receipt of your letter dated June 29, 1993, requesting to extend the expiration date and to change the engine horsepower (HP) capacity, fuel consumption and heat input at various compressor stations. The Department has reviewed this request and has determined to amend the above mentioned permits as requested since there is no increase in permitted emission levels (lbs/hr and tons/yr).

The following changes are allowed by the Department:

COMPRESSOR STATION NO. 12 - SANTA ROSA COUNTY:

Description

FROM: For the construction of one 4,000 bhp natural gas fired engine to be located at the Florida Gas Transmission facility in Munson, Santa Rosa County, Florida. The UTM coordinates are Zone 16, 510.83 km East and 3419.03 km North.

TO: For the construction of one 4,100 bhp natural gas fired engine to be located at the Florida Gas Transmission facility in Munson, Santa Rosa County, Florida. The UTM coordinates are Zone 16, 510.83 km East and 3419.03 km North.

Specific Condition No. 1

FROM: The maximum allowable emissions from this source 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	17.6	77.2	2.0 g/bhp-hr
Carbon Monoxide	22.1	96.6	2.5 g/bhp-hr
Volatile Organic Compounds (non-methane)	8.8	38.6	1.0 g/bhp-hr
Particulate Matter (TSP)	0.14	0.61	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.14	0.61	5 lbs/MMscf
Sulfur Dioxide	0.8	3.5	10 gr/100scf

TO: The maximum allowable emissions from this source 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	17.6	77.2	1.95 g/bhp-hr
Carbon Monoxide	22.1	96.6	2.44 g/bhp-hr
Volatile Organic Compounds (non-methane)	8.8	38.6	0.97 g/bhp-hr
Particulate Matter (TSP)	0.14	0.61	4.03 lbs/MMscf
Particulate Matter (PM ₁₀)	0.14	0.61	4.03 lbs/MMscf
Sulfur Dioxide	0.8	3.5	8.06 gr S/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 27,810 scf/hr.
- Maximum heat input shall not exceed 29.20 MMBtu/hr.

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 34,525 scf/hr.
- Maximum heat input shall not exceed 36.25 MMBtu/hr.

COMPRESSOR STATION NO. 13 - WASHINGTON COUNTY:

Description

FROM: For the construction of one 2,400 bhp natural gas fired engine to be located 9 miles south of Caryville on CR 284. The UTM coordinates are Zone 16, 610.69 km East and 3394.28 km North.

TO: For the construction of one 2,700 bhp natural gas fired engine to be located at the Florida Gas Transmission facility in Caryville, Washington County, Florida. The UTM coordinates are Zone 16, 610.69 km East and 3394.28 km North.

Specific Condition No. 1

FROM: The maximum allowable emissions from this source 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	10.6	46.3	2.0 g/bhp-hr
Carbon Monoxide	11.1	48.7	2.1 g/bhp-hr
Volatile Organic Compounds (non-methane)	2.6	11.6	0.5 g/bhp-hr
Particulate Matter (TSP)	0.08	0.4	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.08	0.4	5 lbs/MMscf
Sulfur Dioxide	0.46	2.0	10 gr/100scf

TO: The maximum allowable emissions from this source 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	10.6	46.3	1.78 g/bhp-hr
Carbon Monoxide	11.1	48.7	1.87 g/bhp-hr
Volatile Organic Compounds (non-methane)	2.6	11.6	0.44 g/bhp-hr
Particulate Matter (TSP)	0.08	0.4	3.87 lbs/MMscf
Particulate Matter (PM ₁₀)	0.08	0.4	3.87 lbs/MMscf
Sulfur Dioxide	0.46	2.0	7.74 gr 8/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 16,154 scf/hr.
- Maximum heat input shall not exceed 16.80 MMBtu/hr.

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 20,856 scf/hr.
- Maximum heat input shall not exceed 21.69 MMBtu/hr.

COMPRESSOR STATION NO. 14 - GADSDEN COUNTY:

Description

FROM: For the construction of one 2,400 bhp natural gas fired engine to be located 8 miles southwest of Quincy on SR 65. The UTM coordinates are Zone 16, 719.97 km East and 3377.39 km North.

TO: For the construction of one 2,700 bhp natural gas fired engine to be located at the Florida Gas Transmission facility in Quincy, Gadsden County, Florida. The UTM coordinates are Zone 16, 719.97 km East and 3377.39 km North.

Specific Condition No. 1

FROM: The maximum allowable emissions from this source 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	10.6	46.3	2.0 g/bhp-hr
Carbon Monoxide	11.1	48.7	2.1 g/bhp-hr
Volatile Organic Compounds (non-methane)	2.6	11.6	0.5 g/bhp-hr
Particulate Matter (TSP)	0.08	0.4	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.08	0.4	5 lbs/MMscf
Sulfur Dioxide	0.46	2.0	10 gr/100scf

TO: The maximum allowable emissions from this source 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	10.6	46.3	1.78 g/bhp-hr
Carbon Monoxide	11.1	48.7	1.87 g/bhp-hr

Volatile Organic Compounds (non-methane)	2.6	11.6	0.44 g/bhp-hr
Particulate Matter (TSP)	0.08	0.4	3.87 lbs/MMscf
Particulate Matter (PM ₁₀)	0.08	0.4	3.87 lbs/MMscf
Sulfur Dioxide	0.46	2.0	7.74 gr S/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 16,154 scf/hr.
- Maximum heat input shall not exceed 16.80 MMBtu/hr.

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 20,856 scf/hr.
- Maximum heat input shall not exceed 21.69 MMBtu/hr.

COMPRESSOR STATION NO. 18 - ORANGE COUNTY:

FROM: For the construction of one 2,400 bhp natural gas fired engine to be located at 7990 Steer Lake Road. The UTM coordinates are Zone 17, 451.86 km East and 3154.79 km North.

TO: For the construction of one 2,700 bhp natural gas fired engine to be located at the Florida Gas Transmission facility in Orlando, Orange County, Florida. The UTM coordinates are Zone 16, 451.86 km East and 3154.79 km North.

Specific Condition No. 1

FROM: The maximum allowable emissions from this source 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	10.6	46.3	2.0 g/bhp-hr
Carbon Monoxide	11.1	48.7	2.1 g/bhp-hr

Volatile Organic Compounds (non-methane)	2.6	11.6	0.5 g/bhp-hr
Particulate Matter (TSP)	0.08	0.4	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.08	0.4	5 lbs/MMscf
Sulfur Dioxide	0.476	2.2	10 gr/100scf

TO: The maximum allowable emissions from this source shall not exceed the emission rates as follows:

Pollutant	lbs/hr	tons/yr	Emission Factor
Nitrogen Oxides	10.6	46.3	1.78 g/bhp-hr
Carbon Monoxide	11.1	48.7	1.87 g/bhp-hr
Volatile Organic Compounds (non-methane)	2.6	11.6	0.44 g/bhp-hr
Particulate Matter (TSP)	0.08	0.4	3.95 lbs/MMscf
Particulate Matter (PM ₁₀)	0.08	0.4	3.95 lbs/MMscf
Sulfur Dioxide	0.476	2.2	7.90 gr S/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 16,311 scf/hr.
- Maximum heat input shall not exceed 16.80 MMBtu/hr.

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 20,640 scf/hr.
- Maximum heat input shall not exceed 21.26 MMBtu/hr.

COMPRESSOR STATION NO. 19 - BREVARD COUNTY:

Description

FROM: For the construction of two 2,500 bhp natural gas fired engines to be located 6 miles west-southwest of Melbourne Regional Airport. The UTM coordinates are Zone 17, 528.67 km East and 3101.64 km North.

TO: For the construction of two 2,600 bhp natural gas fired engine to be located at the Florida Gas Transmission facility in Melbourne, Brevard County, Florida. The UTM coordinates are Zone 17, 528.67 km East and 3101.64 km North.

Specific Condition No. 1

FROM: The maximum allowable emissions from each engine 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	2.0 g/bhp-hr
Carbon Monoxide	15.4	67.6	2.8 g/bhp-hr
Volatile Organic Compounds (non-methane)	9.4	41.0	1.7 g/bhp-hr
Particulate Matter (TSP)	0.09	0.4	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.09	0.4	5 lbs/MMscf
Sulfur Dioxide	0.51	2.2	10 gr/100scf

TO: The maximum allowable emissions from each engine 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
Volatile Organic Compounds (non-methane)	9.4	41.0	1.64 g/bhp-hr
Particulate Matter (TSP)	0.09	0.4	3.90 lbs/MMscf
Particulate Matter (PM ₁₀)	0.09	0.4	3.90 lbs/MMscf
Sulfur Dioxide	0.51	2.2	7.80 gr S/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for these natural gas compressor engines shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 17,718 scf/hr per engine.
- Maximum heat input shall not exceed 36.50 MMBtu/hr for both engines.

TO: The permitted operating parameters and utilization rates for these natural gas compressor engines shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 22,703 scf/hr per engine.
- Maximum heat input shall not exceed 46.77 MMBtu/hr for both engines.

COMPRESSOR STATION NO. 15 - TAYLOR COUNTY:

Specific Condition No. 1

FROM: The maximum allowable emissions from this source 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	17.6	77.2	2.0 g/bhp-hr
Carbon Monoxide	22.0	96.6	2.5 g/bhp-hr
Volatile Organic Compounds (non-methane)	8.8	38.6	1.0 g/bhp-hr
Particulate Matter (TSP)	0.13	0.6	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.13	0.6	5 lbs/MMscf
Sulfur Dioxide	0.75	3.3	10 gr/100scf

TO: The maximum allowable emissions from this source 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	17.6	77.2	2.0 g/bhp-hr
Carbon Monoxide	22.0	96.6	2.5 g/bhp-hr
Volatile Organic Compounds (non-methane)	8.8	38.6	1.0 g/bhp-hr
Particulate Matter (TSP)	0.13	0.6	4.23 lbs/MMscf
Particulate Matter (PM ₁₀)	0.13	0.6	4.23 lbs/MMscf
Sulfur Dioxide	0.75	3.3	8.53 gr S/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 26,154 scf/hr.
- Maximum heat input shall not exceed 27.20 MMBtu/hr.

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed **30,943** scf/hr.
- Maximum heat input shall not exceed **32.18** MMBtu/hr.

COMPRESSOR STATION NO. 16 - BRADFORD COUNTY:

Specific Condition No. 1

FROM: The maximum allowable emissions from this source 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	17.6	77.2	2.0 g/bhp-hr
Carbon Monoxide	22.0	96.6	2.5 g/bhp-hr
Volatile Organic Compounds (non-methane)	8.8	38.6	1.0 g/bhp-hr
Particulate Matter (TSP)	0.13	0.6	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.13	0.6	5 lbs/MMscf
Sulfur Dioxide	0.75	3.3	10 gr/100scf

TO: The maximum allowable emissions from this source 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	17.6	77.2	2.0 g/bhp-hr
Carbon Monoxide	22.0	96.6	2.5 g/bhp-hr
Volatile Organic Compounds (non-methane)	8.8	38.6	1.0 g/bhp-hr
Particulate Matter (TSP)	0.13	0.6	3.90 lbs/MMscf
Particulate Matter (PM ₁₀)	0.13	0.6	3.90 lbs/MMscf
Sulfur Dioxide	0.75	3.3	7.80 gr 8/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 26,408 scf/hr.
- Maximum heat input shall not exceed 27.20 MMBtu/hr.

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 33,833 scf/hr.
- Maximum heat input shall not exceed 34.85 MMBtu/hr.

COMPRESSOR STATION NO. 17 - MARION COUNTY

Specific Condition No. 1

FROM: The maximum allowable emissions from this source 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	10.6	46.3	2.0 g/bhp-hr
Carbon Monoxide	14.8	64.9	2.8 g/bhp-hr
Volatile Organic Compounds (non-methane)	9.0	39.4	1.7 g/bhp-hr
Particulate Matter (TSP)	0.09	0.4	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.09	0.4	5 lbs/MMscf
Sulfur Dioxide	0.49	2.2	10 gr/100scf

TO: The maximum allowable emissions from this source 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	10.6	46.3	2.0 g/bhp-hr
Carbon Monoxide	14.8	64.9	2.8 g/bhp-hr
Volatile Organic Compounds (non-methane)	9.0	39.4	1.7 g/bhp-hr
Particulate Matter (TSP)	0.09	0.4	4.13 lbs/MMscf
Particulate Matter (PM ₁₀)	0.09	0.4	4.13 lbs/MMscf
Sulfur Dioxide	0.49	2.2	8.27 gr S/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 17,010 scf/hr.
- Maximum heat input shall not exceed 17.52 MMBtu/hr.

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 20,569 scf/hr.
- Maximum heat input shall not exceed 21.19 MMBtu/hr.

COMPRESSOR STATION NO. 20 - ST. LUCIE COUNTY

FROM: The maximum allowable emissions from this unit 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	10.6	46.3	2.0 g/bhp-hr
Carbon Monoxide	14.8	64.9	2.8 g/bhp-hr
Volatile Organic Compounds (non-methane)	9.0	39.4	1.7 g/bhp-hr
Particulate Matter (TSP)	0.09	0.4	5 lbs/MMscf
Particulate Matter (PM ₁₀)	0.09	0.4	5 lbs/MMscf
Sulfur Dioxide	0.49	2.0	10 gr/100scf

TO: The maximum allowable emissions from this unit 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	10.6	46.3	2.0 g/bhp-hr
Carbon Monoxide	14.8	64.9	2.8 g/bhp-hr
Volatile Organic Compounds (non-methane)	9.0	39.4	1.7 g/bhp-hr
Particulate Matter (TSP)	0.09	0.4	4.13 lbs/MMscf
Particulate Matter (PM ₁₀)	0.09	0.4	4.13 lbs/MMscf
Sulfur Dioxide	0.49	2.0	8.27 gr 8/100scf

Specific Condition No. 5

FROM: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed 17,010 scf/hr.
- Maximum heat input shall not exceed 17.52 MMBtu/hr.

Mr. Allan Weatherford
Request for Amendments and Extensions
Page 12

TO: The permitted operating parameters and utilization rates for this natural gas compressor engine shall not exceed the values stated in the application. The parameters include, but are not limited to:

- Maximum natural gas consumption shall not exceed **20,569** scf/hr.
- Maximum heat input shall not exceed **21.19** MMBtu/hr.

Expiration Date

The expiration date of the above mentioned permit will be changed from June 30, 1993, to **December 31, 1993.**

This letter must be attached to the above mentioned permits and shall become a part of each permit. If you have any questions, please call Teresa Heron at (904) 488-1344.

Sincerely,



Howard L. Rhodes
Director
Division of Air Resources
Management

HLR/TH/plm

Attachment to be Incorporated:

Mr. Allan Weatherford's letter of June 29, 1993

cc: E. Middleswart, NWD
Robert Leetch, NED
Charles Collins, CD
Isidore Goldman, SED
Duane Pierce, FGTC
Barry Andrews, ENSR

STATION 15
PERRY, FLORIDA

RECEIVED
APR 19 1995
TECH. COMMUNICATIONS

Station	Model Run Factor	MAXIMUM 1-HR CONCENTRATION (ug/m**3)					Maximum Emission (lb/hr)				
		NOx	CO	VOCs	Particulates	SO2	NOx	CO	VOCs	Particulates	SO2
15 Permitted	2.976	52.378	65.472	26.189	0.387	2.232	17.60	22.00	8.80	0.13	0.75
15 Revised	1.492	26.319	32.899	13.159	0.239	1.179	17.64	22.05	8.82	0.16	0.79

Model Run Factor is maximum 1-hr concentration based on emission of 1 lb/hr.

Maximum 1-hr concentrations calculated as (Model Run Factor) X (Maximum Emission).

*** SCREEN-1.1 MODEL RUN ***
*** VERSION DATED 88300 ***

Station 15--Permit--Simple Terrain, no Downwash

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
EMISSION RATE (G/S) = .1260
STACK HEIGHT (M) = 12.19
STK INSIDE DIAM (M) = .59
STK EXIT VELOCITY (M/S) = 24.95
STK GAS EXIT TEMP (K) = 560.93
AMBIENT AIR TEMP (K) = 293.00
RECEPTOR HEIGHT (M) = .00
IOPT (1=URB,2=RUR) = 2
BUILDING HEIGHT (M) = .00
MIN HORIZ BLDG DIM (M) = .00
MAX HORIZ BLDG DIM (M) = .00

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF .00 M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	.0000	0	.0	.0	.0	.0	.0	.0	
100.	.3030	3	10.0	10.2	3200.0	24.2	12.6	7.7	NO
200.	2.803	3	10.0	10.2	3200.0	24.2	23.9	14.4	NO
300.	2.911	3	8.0	8.2	2560.0	27.2	34.6	20.8	NO
400.	2.654	3	5.0	5.1	1600.0	36.2	45.2	27.3	NO
500.	2.529	4	8.0	8.2	2560.0	27.0	36.4	18.8	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
241. 2.976 3 10.0 10.2 3200.0 24.2 28.4 17.0 NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	2.976	241.	0.

** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **

*** SCREEN-1.1 MODEL RUN ***
*** VERSION DATED 88300 ***

Station 15--Actual--Simple Terrain, no Downwash

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
EMISSION RATE (G/S) = .1260
STACK HEIGHT (M) = 25.91
STK INSIDE DIAM (M) = .76
STK EXIT VELOCITY (M/S) = 14.99
STK GAS EXIT TEMP (K) = 560.93
AMBIENT AIR TEMP (K) = 293.00
RECEPTOR HEIGHT (M) = .00
IOPT (1=URB,2=RUR) = 2
BUILDING HEIGHT (M) = .00
MIN HORIZ BLDG DIM (M) = .00
MAX HORIZ BLDG DIM (M) = .00

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF .00 M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	.0000	0	.0	.0	.0	.0	.0	.0	
100.	.5497E-02	1	3.0	3.2	960.0	64.0	27.7	15.5	NO
200.	.9511	1	3.0	3.2	960.0	64.0	51.1	31.2	NO
300.	1.491	1	3.0	3.2	960.0	64.0	72.6	48.7	NO
400.	1.429	1	2.0	2.1	640.0	83.1	94.1	73.0	NO
500.	1.386	3	5.0	5.5	1600.0	48.1	55.1	33.0	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
305. 1.492 1 3.0 3.2 960.0 64.0 73.8 50.0 NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	1.492	305.	0.

** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **

Source	Emissions (Tons/yr)					Comment
	NOx	CO	NMHC	SO2	PM	
Combustion Sources						
Engine 1-SN G-2520 - Unit 1503	212.47	27.04	8.50	1.79	0.31	
Engine 2-SN G-2518 - Unit 1501	212.47	27.04	8.50	1.79	0.31	
Engine 3-SN G-2519 - Unit 1502	212.47	27.04	8.50	1.79	0.31	
Engine 4-SN G-2624 - Unit 1504	212.47	27.04	8.50	1.79	0.31	
Engine 5-SN G-2780 - Unit 1505	212.47	27.04	8.50	1.79	0.31	
Engine 6-SN 49113 - Unit 1506	77.26	96.58	38.63	3.48	0.68	
Emergency Gen 1 - Waukesha	0.56	2.31	0.027	0.006	0.001	Based on 400 hrs operation/year
Emergency Gen 2 - Cummings	1.07	0.14	0.043	0.009	0.002	Based on 400 hrs operation/year
Air Compressor	0.024	0.003	0.001	0.000	0.000	Based on 3 hrs operation/month
VOC Sources						
Oil and Water Separator 1	--	--	0.12	--	--	
Oil and Water Separator 2	--	--	0.12	--	--	
Lube Oil Storage Tank 1	--	--	0.00	--	--	Has 16 to 18 psi air pressure
Lube Oil Storage Tank 2	--	--	0.00	--	--	Has 16 to 18 psi air pressure
Waste Oil Tank	--	--	0.001	--	--	
Pipeline Condensate Tank 1	--	--	0.14	--	--	
Paint Cleaner 1	--	--	?	--	--	
Paint Cleaner 2	--	--	?	--	--	
ESD and Blowdown Stacks	--	--	1.64	--	--	
Fugitive Emissions	--	--	?	--	--	
TOTAL	1141.26	234.23	83.22	12.45	2.23	

STATION 15 COMBUSTION SOURCES

Phase I Station Characteristics

02-Jul-92
CS15.WK1

Compressor Station: Number 15
 Name: Perry
 County: Taylor
 Nearest City: Perry
 Compressor Supervisor: Jim Reed
 Mailing Address: P.O. Box 939
 Perry, Florida 32347
 Telephone: 904-584-6183
 Latitude: 30-09-50
 Longitude: 83-36-22
 UTM Zone: 17
 UTM Easting: 249.02 km
 UTM Northing: 3,339.60 km
 Elevation (ft): 85

Phase I Engine Characteristics

Engine Identification	1	2	3	4	5
Permit Number					
Serial Number	G-2520	G-2518	G-2519	G-2664	G-2780
Operating Time					
Hours/Day	24	24	24	24	24
Days/Week	7	7	7	7	7
Weeks/Year	52	52	52	52	52
Engine Type	Recip	Recip	Recip	Recip	Recip
Date of Installation	1962	1962	1962	1966	1968
Engine Make	Worthington	Worthington	Worthington	Worthington	Worthington
Engine Model	SEHG-8	SEHG-8	SEHG-8	SEHG-8	SEHG-8
Horsepower Rating	2000	2000	2000	2000	2000
Air Charging	Turbo.	Turbo.	Turbo.	Turbo.	Turbo.
Exhaust Temperature (F)	600	600	600	600	600
Mass Flow Rate (lbs/hr) (a)	26172	26172	26172	26172	26172
Volumetric Flow Rate (acfm)	11637	11637	11637	11637	11637
Volumetric Flow Rate (dscfm)	5333	5333	5333	5333	5333
Exit Velocity (ft/s)	119.5	119.5	119.5	119.5	119.5
Water Vapor Content (%)	8	8	8	8	8
Ave. Fuel Consumption (MMCF/Hr) (b)	0.0144	0.0144	0.0144	0.0144	0.0144
Max. Fuel Consumption (MMCF/Hr) (b)	0.0144	0.0144	0.0144	0.0144	0.0144
Specific Fuel Consump. (BTU/bhp-hr)	6350	6350	6350	6350	6350
Maximum Heat Input (MMBTU/Hr)	15	15	15	15	15
Stack Height (ft)	28.08	28.08	28.08	28.08	28.08
Stack Diameter (in)	17.25	17.25	17.25	17.25	17.25
Stack to Building Offset (ft)	17.00	17.00	17.00	17.00	17.00
Building Height (ft) (c)	31.75				
Building Length (ft) (c)	180.00				
Building Width (ft) (c)	55.00				

Phase I Fuel Characteristics

Fuel Type	N.G.	N.G.	N.G.	N.G.	N.G.
Heating Value (BTU/CF)	1040	1040	1040	1040	1040
Heat Capacity (BTU/lb)	22857	22857	22857	22857	22857
Density (lb/cubic ft)	0.0455	0.0455	0.0455	0.0455	0.0455
Percent Sulfur (%) (d)	0.031	0.031	0.031	0.031	0.031
Percent Ash (%)	N/A	N/A	N/A	N/A	N/A

Phase I Emissions Rates by Engine for Station 15
Engine Identification

	1	2	3	4	5
Grams/BHP-Hour					
NOX	11.000	11.000	11.000	11.000	11.000
CO	1.400	1.400	1.400	1.400	1.400
NMHC	0.440	0.440	0.440	0.440	0.440
SO2 (e)	0.093	0.093	0.093	0.093	0.093
PM (f)	0.016	0.016	0.016	0.016	0.016
Pounds/Hour					
NOX	48.51	48.51	48.51	48.51	48.51
CO	6.17	6.17	6.17	6.17	6.17
NMHC	1.94	1.94	1.94	1.94	1.94
SO2	0.41	0.41	0.41	0.41	0.41
PM	0.07	0.07	0.07	0.07	0.07
Tons/Year					
NOX	212.47	212.47	212.47	212.47	212.47
CO	27.04	27.04	27.04	27.04	27.04
NMHC	8.50	8.50	8.50	8.50	8.50
SO2	1.79	1.79	1.79	1.79	1.79
PM	0.31	0.31	0.31	0.31	0.31

Phase I Emissions Rates for Total Station

Grams/BHP-Hour	
NOX	11.000
CO	1.400
NMHC	0.440
SO2	0.093
PM	0.016
Pounds/Hour	
NOX	242.55
CO	30.87
NMHC	9.70
SO2	2.04
PM	0.36
Tons/Year	
NOX	1062.37
CO	135.21
NMHC	42.49
SO2	8.94
PM	1.57

SOURCE CLASSIFICATION WITH RESPECT TO PSD

MAJOR SOURCE

Notes:

- (a) Wet mass flow (@ 60 F, 14.7 psi).
- (b) Based on heating value of fuel gas.
- (c) All engines enclosed in one building.
- (d) Percent by weight.
- (e) Based on 10 grains/SCF.
- (f) Based AP-42 factor of 5 lbs/MMSCF.

Phase II Station Characteristics

02-Jul-92
CS15.WK1

Compressor Station: Number 15
 Name: Perry
 County: Taylor
 Nearest City: Perry
 Compressor Supervisor: Jim Reed
 Mailing Address: P.O. Box 939
 Perry, Florida 32347
 Telephone: 904-584-6183
 Latitude: 30-09-50
 Longitude: 83-36-22
 UTM Zone: 17
 UTM Easting: 249.02 km
 UTM Northing: 3,339.60 km
 Elevation (ft): 85

Phase II Engine Characteristics

Engine Identification	6
Permit Number	
Serial Number	49116
Operating Time	
Hours/Day	24
Days/Week	7
Weeks/Year	52
Engine Type	Recip
Date of Installation	1891
Engine Make	Cooper-Bessemer
Engine Model	GW-330C2
Horsepower Rating	4000
Air Charging	Turbo.
Exhaust Temperature (F)	550
Mass Flow Rate (lb/hr) (a)	71100
Volumetric Flow Rate (acfm)	30138
Volumetric Flow Rate (dscfm)	14487
Exit Velocity (ft/s)	102.33
Water Vapor Content (%)	8
Ave. Fuel Consumption (MMCF/Hr) (b)	0.0262
Max. Fuel Consumption (MMCF/Hr) (b)	0.0262
Specific Fuel Consump. (BTU/bhp-hr)	6800
Maximum Heat Input (MMBTU/Hr)	27.2
Stack Height (ft)	85
Stack Diameter (in)	30
Stack to Building Offset (ft)	17.00
Building Height (ft) (c)	31.75
Building Length (ft) (c)	220.00
Building Width (ft) (c)	55.00

Phase II Fuel Characteristics

Fuel Type	N.G.	
Heating Value (BTU/CF)		1040
Heat Capacity (BTU/lb)		22857
Density (lb/cubic ft)		0.0455
Percent Sulfur (%) (d)		0.031
Percent Ash (%)	N/A	

Phase II Emissions Rates by Engine for Station 15
Engine Identification

6

Grams/BHP-Hour		
	NOX	2.000
	CO	2.500
	NMHC	1.000
	SO2 (e)	0.090
	PM (f)	0.018
Pounds/Hour		
	NOX	17.64
	CO	22.05
	NMHC	8.82
	SO2	0.79
	PM	0.15
Tons/Year		
	NOX	77.26
	CO	96.58
	NMHC	38.63
	SO2	3.48
	PM	0.68

Phase II Emissions Rates for Total Station

Grams/BHP-Hour		
	NOX	8.428
	CO	1.714
	NMHC	0.600
	SO2	0.092
	PM	0.017
Pounds/Hour		
	NOX	260.19
	CO	52.92
	NMHC	18.52
	SO2	2.84
	PM	0.51
Tons/Year		
	NOX	1139.63
	CO	231.79
	NMHC	81.13
	SO2	12.42
	PM	2.24

SOURCE CLASSIFICATION WITH RESPECT TO PSD

MAJOR SOURCE

Notes:

- (a) Wet mass flow (@ 60 F, 14.7 psi).
- (b) Based on heating value of fuel gas.
- (c) All engines enclosed in one building.
- (d) Percent by weight.
- (e) Based on 10 grains/SCF.
- (f) Based AP-42 factor of 5 lbs/MMSCF.

Emission Calculations

Engine	Waukesha Generator	Cummings Generator	Waukesha Air Compressor
Model	6WAKCU	G-855	VRG232U
Horsepower	150	220	56
Operating hours/yr	400	400	36
Emission rates (grams/HP-hour)			
NOX	8.5	11	11
CO	35	1.4	1.4
NMHC	0.4	0.44	0.44
SO2	0.093	0.093	0.093
PM	0.016	0.016	0.016
Emissions (tons/year)			
NOx	0.562	1.067	0.024
CO	2.315	0.136	0.003
NMHC	0.026	0.043	0.001
SO2	0.006	0.009	0.000
PM	0.001	0.002	0.000

STATION 15 VOC SOURCES

FIXED ROOF TAN VOLATILE ORGANIC COMPOUND EMISSIONS (Rev. 6/90)

(C) COPYRIGHT 1990, PHOENIX ENGINEERING, INC.

CLIENT: Florida Gas Transmission

DATE: 04/05/93

LOCATION: Station 15

JOB NO:

CALCULATED USING AP-42, FOURTH EDITION SEP. 85, EQUATIONS 4.3-(1)&(2)

TANK PHYSICAL DATA

TANK IDENTIFICATION NUMBER	Oil & Water Separator 1
EMISSION CONTROLS	None
PERCENT EFFICIENCY	0 %
TANK PAINT COLOR	Black
TANK DIAMETER (FT), D	10.0
TANK HEIGHT (FT), H	15.0
PAINT FACTOR, FsubP	1.58
TANK CAPACITY (BBLs), VB	210
TANK CAPACITY (GALLONS), V	8820
ADJUSTMENT FACTOR FOR DIA., C	0.50

WEATHER DATA

Tallahassee

AVG. DAILY TEMP. CHANGE (DEG F), DeltaT	20.0
STORAGE TEMP. (DEG. F)	72.7
AVG. ATM. PRESS. (PSIA), PsubA	14.7

PRODUCT PHYSICAL DATA

MATERIAL STORED	Oily Wastewater
MOLECULAR WEIGHT (#/#MOLE) MsubV	53.00
VAPOR PRESS. AT STG. TEMP. (DEG. F), P	2.80
PRODUCT FACTOR, KsubC (CRUDE 0.65, OTHER 1.0)	1.00

THROUGHPUT DATA

DAYS IN SERVICE, DsubS	365
VAPOR SPACE HEIGHT (FT), VH	7.50
TANK THROUGHPUT (BBLs FOR DAYS IN SERVICE), TT	42.80
FILLING RATE (BBLs/HR), FR	
NUMBER OF TURNS FOR DAYS IN SERVICE, N	0.2
TURNOVER FACTOR, KsubN	1.00

FIXED ROOF TANK BREATHING LOSS, # LsubB =

$$2.26 \times 10^{-2} * (MsubV) * (P / (PsubA - P)) \text{ EXP } 0.68 * (D) \text{ EXP } 1.73 * (VH) \text{ EXP } 0.51 * (\text{DeltaT}) \text{ EXP } 0.5 * (FsubP) * (C) * (KsubC) * DsubS / 365 * (100 - \%eff) / 100$$

FIXED ROOF TANK WORKING LOSS, # LsubW =

$$2.4 \text{ EXP } -05 * MsubV * P * V * N * KsubN * KsubC * (100 - \%eff) / 100$$

VOLATILE ORGANIC COMPOUND LOSSES	BREATHING	WORKING	TOTAL
POUNDS FOR DAYS SERVICE =	237	6	244
TONS FOR DAYS SERVICE =	0.12	0.00	0.12
ANNUALIZED POUNDS =	237	6	244
ANNUALIZED TONS =	0.12	0.00	0.12
POUND/HR (AVG) =	0.03	0.00	0.03
MAXIMUM EMISSION RATE (#/HR) =	0.05		

FIXED ROOF TANK VOLATILE ORGANIC COMPOUND EMISSIONS (Rev. 6/90)

(C) COPYRIGHT 1990, PHOENIX ENGINEERING, INC.

CLIENT: Florida Gas Transmission

DATE: 04/05/93

LOCATION: Station 15

JOB NO:

CALCULATED USING AP-42, FOURTH EDITION SEP. 85, EQUATIONS 4.3-(1)&(2)

TANK PHYSICAL DATA

TANK IDENTIFICATION NUMBER	Oil & Water Separator 2
EMISSION CONTROLS	None
PERCENT EFFICIENCY	0 %
TANK PAINT COLOR	Black
TANK DIAMETER (FT), D	10.0
TANK HEIGHT (FT), H	15.0
PAINT FACTOR, FsubP	1.58
TANK CAPACITY (BBLs), VB	210
TANK CAPACITY (GALLONS), V	8820
ADJUSTMENT FACTOR FOR DIA., C	0.50

WEATHER DATA

Tallahassee

AVG. DAILY TEMP. CHANGE (DEG F), DeltaT	20.0
STORAGE TEMP. (DEG. F)	72.7
AVG. ATM. PRESS. (PSIA), PsubA	14.7

PRODUCT PHYSICAL DATA

MATERIAL STORED	Oily Wastewater
MOLECULAR WEIGHT (#/#MOLE) MsubV	53.00
VAPOR PRESS. AT STG. TEMP. (DEG. F), P	2.8000
PRODUCT FACTOR, KsubC (CRUDE 0.65, OTHER 1.0)	1.00

THROUGHPUT DATA

DAYS IN SERVICE, DsubS	365
VAPOR SPACE HEIGHT (FT), VH	7.50
TANK THROUGHPUT (BBLs FOR DAYS IN SERVICE), TT	42.80
FILLING RATE (BBLs/HR), FR	
NUMBER OF TURNS FOR DAYS IN SERVICE, N	0.2
TURNOVER FACTOR, KsubN	1.00

FIXED ROOF TANK BREATHING LOSS, # LsubB =

$$2.26 \times 10^{-2} * (M_{subV}) * (P / (P_{subA} - P)) \text{ EXP } 0.68 * (D) \text{ EXP } 1.73 * (VH) \text{ EXP } 0.51 * (\Delta T) \text{ EXP } 0.5 * (F_{subP}) * (C) * (K_{subC}) * D_{subS} / 365 * (100 - \% \text{eff}) / 100$$

FIXED ROOF TANK WORKING LOSS, # LsubW =

$$2.4 \text{ EXP } -05 * M_{subV} * P * V * N * K_{subN} * K_{subC} * (100 - \% \text{eff}) / 100$$

VOLATILE ORGANIC COMPOUND LOSSES	BREATHING	WORKING	TOTAL
POUNDS FOR DAYS SERVICE =	237	6	244
TONS FOR DAYS SERVICE =	0.12	0.00	0.12
ANNUALIZED POUNDS =	237	6	244
ANNUALIZED TONS =	0.119	0.003	0.122
POUND/HR (AVG) =	0.03	0.00	0.03
MAXIMUM EMISSION RATE (#/HR) =	0.05		

CLIENT: Florida Gas Transmission

DATE: 04/02/93

LOCATION: Station 15

JOB NO:

CALCULATED USING AP-42, FOURTH EDITION SEP. 85, EQUATIONS 4.3-(1)&(2)

TANK PHYSICAL DATA

TANK IDENTIFICATION NUMBER	Condensate 1	
EMISSION CONTROLS	None	
PERCENT EFFICIENCY		0 %
TANK PAINT COLOR	Black	
TANK DIAMETER (FT), D		10.0
TANK HEIGHT (FT), H		15.0
PAINT FACTOR, FsubP		1.58
TANK CAPACITY (BBLs), VB		210
TANK CAPACITY (GALLONS), V		8820
ADJUSTMENT FACTOR FOR DIA., C		0.53

WEATHER DATA

	Tallahassee	
AVG. DAILY TEMP. CHANGE (DEG F), DeltaT		20.0
STORAGE TEMP. (DEG. F)		72.7
AVG. ATM. PRESS. (PSIA), PsubA		14.7

PRODUCT PHYSICAL DATA

MATERIAL STORED	Condensate	
MOLECULAR WEIGHT (#/#MOLE) MsubV		53.00
VAPOR PRESS. AT STG. TEMP. (DEG. F), P		2.80
PRODUCT FACTOR, KsubC (CRUDE 0.65, OTHER 1.0)		1.00

THROUGHPUT DATA

DAYS IN SERVICE, DsubS		365
VAPOR SPACE HEIGHT (FT), VH		7.50
TANK THROUGHPUT (BBLs FOR DAYS IN SERVICE), TT		83.30
FILLING RATE (BBLs/HR), FR		
NUMBER OF TURNS FOR DAYS IN SERVICE, N		1.0
TURNOVER FACTOR, KsubN		1.00

FIXED ROOF TANK BREATHING LOSS, # LsubB =

$$2.26 \times 10^{-2} * (M_{subV}) * (P / (P_{subA} - P)) \text{ EXP } 0.68 * (D) \text{ EXP } 1.73 * (VH) \text{ EXP } 0.51 * (\Delta T) \text{ EXP } 0.5 * (F_{subP}) * (C) * (K_{subC}) * D_{subS} / 365 * (100 - \% \text{eff}) / 100$$

FIXED ROOF TANK WORKING LOSS, # LsubW =

$$2.4 \text{ EXP } -05 * M_{subV} * P * V * N * K_{subN} * K_{subC} * (100 - \% \text{eff}) / 100$$

VOLATILE ORGANIC COMPOUND LOSSES	BREATHING	WORKING	TOTAL
POUNDS FOR DAYS SERVICE =	252	31	283
TONS FOR DAYS SERVICE =	0.13	0.02	0.14
ANNUALIZED POUNDS =	252	31	283
ANNUALIZED TONS =	0.13	0.02	0.14
POUND/HR (AVG) =	0.03	0.00	0.03
MAXIMUM EMISSION RATE (#/HR) =	0.06		

FIXED ROOF TANK VOLATILE ORGANIC COMPOUND EMISSIONS (Rev. 6/90)

(C) COPYRIGHT 1990, PHOENIX ENGINEERING, INC.

CLIENT: Florida Gas Transmission

DATE: 04/06/93

LOCATION: Station 15

JOB NO:

CALCULATED USING AP-42, FOURTH EDITION SEP. 85, EQUATIONS 4.3-(1)&(2)

TANK PHYSICAL DATA

TANK IDENTIFICATION NUMBER	Waste Oil Tank 1	
EMISSION CONTROLS	None	
PERCENT EFFICIENCY		0 %
TANK PAINT COLOR	Black	
TANK DIAMETER (FT), D		7.9
TANK HEIGHT (FT), H		10.0
PAINT FACTOR, FsubP		1.58
TANK CAPACITY (BBLs), VB		90
TANK CAPACITY (GALLONS), V		3780
ADJUSTMENT FACTOR FOR DIA., C		0.41

WEATHER DATA

	Tallahassee	
AVG. DAILY TEMP. CHANGE (DEG F), DeltaT		20.0
STORAGE TEMP. (DEG. F)		72.7
AVG. ATM. PRESS. (PSIA), PsubA		14.7

PRODUCT PHYSICAL DATA

MATERIAL STORED	Waste oil	
MOLECULAR WEIGHT (#/#MOLE) MsubV		190.00
VAPOR PRESS. AT STG. TEMP. (DEG. F), P		0.0019
PRODUCT FACTOR, KsubC (CRUDE 0.65, OTHER 1.0)		1.00

THROUGHPUT DATA

DAYS IN SERVICE, DsubS		365
VAPOR SPACE HEIGHT (FT), VH		5.00
TANK THROUGHPUT (BBLs FOR DAYS IN SERVICE), TT		100.00
FILLING RATE (BBLs/HR), FR		
NUMBER OF TURNS OVER FOR DAYS IN SERVICE, N		1.1
TURNOVER FACTOR, KsubN		1.00

FIXED ROOF TANK BREATHING LOSS, # LsubB =

$$2.26 \times 10^{-2} * (M_{subV}) * (P / (P_{subA} - P)) \text{ EXP } 0.68 * (D) \text{ EXP } 1.73 * (VH) \text{ EXP } 0.51 * (\Delta T) \text{ EXP } 0.5 * (F_{subP}) * (C) * (K_{subC}) * D_{subS} / 365 * (100 - \% \text{eff}) / 100$$

FIXED ROOF TANK WORKING LOSS, # LsubW =

$$2.4 \text{ EXP } -05 * M_{subV} * P * V * N * K_{subN} * K_{subC} * (100 - \% \text{eff}) / 100$$

VOLATILE ORGANIC COMPOUND LOSSES	BREATHING	WORKING	TOTAL
POUNDS FOR DAYS SERVICE =	2	0	2
TONS FOR DAYS SERVICE =	0.00	0.00	0.00
ANNUALIZED POUNDS =	2	0	2
ANNUALIZED TONS =	0.001	0.000	0.001
POUND/HR (AVG) =	0.00	0.00	0.00
MAXIMUM EMISSION RATE (#/HR) =	0.00		

STATION 15 BLOWDOWNS

	<u>No./year</u>	<u>Stacks</u>
Emergency	4	2 vents: each 8 feet above ground and 10 to 12 inches in diameter
Maintenance	1	8 feet above ground and 10 to 12 feet in diameter (blowdown silencer)

Calculation of annual HC emissions from blowdowns
(for a typical station)

unmetered gas released (due to blowdowns)	300 Mscf/mo.
unmetered gas released (due to blowdowns)	3.6 MMscf/yr.
unmetered gas released (due to blowdowns) (@21.98 scf/lb)	0.16 MMlb/yr.
unmetered gas released (due to blowdowns) (@21.98 scf/lb)	81.89 TPY
VOCs released (due to blowdowns) (@2% VOCs)	1.64 TPY



Florida Gas Transmission Company

P. O. Box 945100 Maitland, Florida 32794-5100 (407) 875-5800

June 29, 1993

VIA FEDERAL EXPRESS
(overnight delivery)

Mr. Clair Fancy, P.E.
Chief, Bureau of Air Regulation
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Fancy:

**RE: Request for Amendments and Extensions to Air
Construction Permits**

Permit No. AC57-188869
Florida Gas Transmission Company, Station 12 ←
Munson, Santa Rosa County, Florida

Permit No. AC67-189220
Florida Gas Transmission Company, Station 13
Caryville, Washington County, Florida

Permit No. AC20-189438
Florida Gas Transmission Company, Station 14
Quincy, Gadsden County, Florida

Permit No. AC62-189439
Florida Gas Transmission Company, Station 15
Perry, Taylor County, Florida

Permit No. AC04-189454
Florida Gas Transmission Company, Station 16
Brooker, Bradford County, Florida

Permit No. AC42-189455
Florida Gas Transmission Company, Station 17
Salt Springs, Marion County, Florida

Permit No. AC48-189456
Florida Gas Transmission Company, Station 18
Orlando, Orange County, Florida

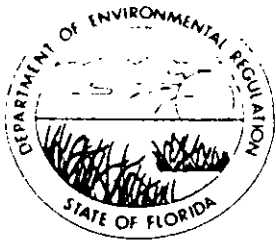
Permit No. AC05-189665
Florida Gas Transmission Company, Station 19
Melbourne, Brevard County, Florida

Permit No. AC56-189457
Florida Gas Transmission Company, Station 20
Ft. Pierce, St. Lucie County, Florida

On May 27, 1993, Florida Gas Transmission Company (FGT) submitted Certificates of Completion of Construction to the appropriate district offices to obtain operating permits for

RECEIVED
MAIL ROOM
1993 JUN 30 11:10:10

← This file contains
all the attachments
related to this
correspondence.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 12, 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Alan Weatherford
Compliance Environmentalist
Florida Gas Transmission Company
P.O. Box 945100
Maitland, Florida 32794-5100

Dear Mr. Weatherford:

Re: Permits AC57-188869, AC67-189220, AC20-189438, AC62-189439, AC04-189454, AC42-189455, AC48-189456, AC05-189665 and AC56-189457; Permit Amendment Request

The Department is in receipt of your letter dated January 18, 1993, requesting an amendment of the specific condition regarding test method for measuring VOC emissions for each one of the above referenced permits. The Department has reviewed your request and has determined to change Specific Condition No. 10 for each one of the permits as follows:

Specific Condition No. 10:

FROM: Initial compliance with the volatile organic compound emission (VOC) limits will be demonstrated by EPA Method 25, thereafter, compliance with the VOC emission limits will be assumed, provided the CO allowable emission rate is achieved.

TO: Initial compliance with the volatile organic compound emission (VOC) limits will be demonstrated by EPA Method 25A, thereafter, compliance with the VOC emission limits will be assumed, provided the CO allowable emission rate is achieved.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within

Mr. Alan Weatherford
Florida Gas Transmission Company
Page 2

14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

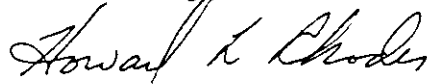
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this intent. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this intent in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Mr. Alan Weatherford
Florida Gas Transmission Company
Page 3

A copy of this letter shall be attached to the above mentioned permit and shall become a part of that permit.

Sincerely,



Howard L. Rhodes
Director
Division of Air Resources
Management

HLR/TH/plm

Attachment to be Incorporated:

Mr. Alan Weatherford's letter of December 7, 1992

cc: Ed Middleswart, NWD
Charles Collins, CD
Isidore Goldman, SED
Andy Kutyna, NED



Florida Gas Transmission Company

P. O. Box 945100 Maitland, Florida 32794-5100 (407) 875-5800

Certified Mail

December 7 , 1992

Mr. Clair Fancy
Florida Department of
Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Fancy:

RE: Request for Modification to Permits

Permit No. AC57-188869
Florida Gas Transmission Company, Station 12
Munson, Santa Rosa County, Florida

Permit No. AC67-189220
Florida Gas Transmission Company, Station 13
Caryville, Washington County, Florida

Permit No. AC20-189438
Florida Gas Transmission Company, Station 14
Quincy, Gadsden County, Florida

Permit No. AC62-189439
Florida Gas Transmission Company, Station 15
Perry, Taylor County, Florida

Permit No. AC04-189454
Florida Gas Transmission Company, Station 16
Brooker, Bradford County, Florida

Permit No. AC42-189455
Florida Gas Transmission Company, Station 17
Salt Springs, Marion County, Florida

Permit No. AC48-189456
Florida Gas Transmission Company, Station 18
Orlando, Orange County, Florida

Permit No. Ac05-189665
Florida Gas Transmission Company, Station 19
Melbourne, Brevard County, Florida

Permit No. AC56-189457
Florida Gas Transmission Company, Station 20
Ft. Pierce, St. Lucie County, Florida

RECEIVED

DEC 17 1992

An **ENRON/SONAT** Affiliate

Division of Air
Resources Management

Mr. Clair Fancy
Page 2 of 2
December 7, 1992

Florida Gas Transmission Company (FGT) requests that the permits referenced above be modified as follows:

Modify Specific Condition 10 which currently reads

"Initial compliance with the volatile organic compound (VOC) emissions limits will be demonstrated by EPA Method 25, thereafter, compliance with the VOC emission limits will be assumed, provided the CO allowable emission rate is achieved."

so that it reads


"Initial compliance with the volatile organic compound (VOC) emissions limits will be demonstrated by EPA Method 25A, thereafter, compliance with the VOC emission limits will be assumed, provided the CO allowable emission rate is achieved."

FGT has supplied your office with evidence supporting our contention that the use of Method 25 to measure VOC emissions in compressor engines is questionable. We believe the evidence supports the use of Method 25A. Mr. Barry Andrews, ENSR Consulting & Engineering, has spoken to you about this on FGT's behalf.

Since no specific test method is listed for our source (i.e. NSPS or 17-2.700), we ask that this change be made through a simple permit modification.

Please call me at 407-875-5816 if you have any questions.

Sincerely,



Allan Weatherford
Compliance Environmentalist

bc
aw1207cf

cc: Chuck Truby
Raymond Young
Fred Griffin
Barry Andrews, ENSR

J. Nelson
L. Middlebrook

Check Sheet

Company Name: *F-1 Gas Transmission*
Permit Number: *AC 62 189-139*
PSD Number:
County: *PSD FL-160*
Permit Engineer:
Others involved: *#15*

*and AC 62 189-139
PSD FL-202*

~~Application:~~

- ~~Initial Application~~ *Teresa*
Cleve
- Incompleteness Letters
- Responses
- Final Application (if applicable)
- Waiver of Department Action
- Department Response
- Other

*1st
IN
TAYLOR
CORN*

Intent:

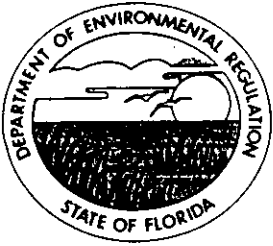
- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- Unsigned Permit
- Correspondence with:
 - EPA
 - Park Services
 - County
 - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)
- Other

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination
- Other

Post Permit Correspondence:

- Extensions
- Amendments/Modifications
- Response from EPA
- Response from County
- Response from Park Services
- Other



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

May 15, 1992

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Allan Weatherford
Compliance Environmentalist
Florida Gas Transmission Company
P.O. Box 945100
Maitland, Florida 32399-2400

Dear Mr. Weatherford:

Re: Construction Permits Nos. AC 57-188869, AC 67-189220,
AC 20-189438, AC 62-189439, AC 04-189454, AC 42-189455,
AC 48-189456, AC 05-189665, and AC 56-189457

The Department is in receipt of your letter dated April 29, 1992, requesting the extension of the expiration dates of the above referenced permits. This request is acceptable. The expiration dates of these construction permits will be changed as follows:

FROM: June 30, 1992
TO: June 30, 1993

This letter must be attached to the above mentioned permits and shall become a part of each permit.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.


Mr. Allan Weatherford
Page 2 of 2

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this intent. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this intent in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Sincerely,



for STEVE SMALLWOOD, P.E.
Director
Division of Air Resources Mgmt.

SS/TH/plm

Attachment to be Incorporated:

Mr. Weatherford's letter of April 29, 1992

cc: Ed Middleswart Andy Kutyna
Charles Collins Isidore Goldman



Florida Gas Transmission Company

P. O. Box 945100 Maitland, Florida 32794-5100 (407) 875-5800

Federal Express

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SER - MAIL ROOM
1992 APR 30 AM 10:49

April 29, 1992

Mr. Clair Fancy
Florida Department of
Environmental Regulation
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Fancy:

**RE: Request for Extensions of Construction Permits
Phase II Air Permits**

Permit No. AC57-188869
Florida Gas Transmission Company, Station 12
Munson, Santa Rosa County, Florida

Permit No. AC67-189220
Florida Gas Transmission Company, Station 13
Caryville, Washington County, Florida

Permit No. AC20-189438
Florida Gas Transmission Company, Station 14
Quincy, Gadsden County, Florida

Permit No. AC62-189439
Florida Gas Transmission Company, Station 15
Perry, Taylor County, Florida

Permit No. AC04-189454
Florida Gas Transmission Company, Station 16
Brooker, Bradford County, Florida

Permit No. AC42-189455
Florida Gas Transmission Company, Station 17
Salt Springs, Marion County, Florida

Permit No. AC48-189456
Florida Gas Transmission Company, Station 18
Orlando, Orange County, Florida

Permit No. AC05-189665
Florida Gas Transmission Company, Station 19
Melbourne, Brevard County, Florida

Permit No. AC56-189457
Florida Gas Transmission Company, Station 20
Ft. Pierce, St. Lucie County, Florida

Mr. Clair Fancy
Page 2 of 2
April 29, 1992

On behalf of Florida Gas Transmission Company, I respectfully request extensions of the construction permits referenced above. The permits are due to expire on June 30, 1992 and FGT needs more time to evaluate the operation and performance of the engines.

Emissions tests were done on the engines in March 1992. The test reports will be submitted to DER within the next two weeks. Preliminary results indicate that all emission limits were met.

FGT requests the expiration dates be extended to June 30, 1993. This 12-month extension will allow FGT the necessary time to thoroughly evaluate the operation of the new engines and to determine if additions or revisions to the permits are needed.

In anticipation of your approval, I've enclosed a check for \$450 to cover the permit extension fee for each of the nine stations.

Sincerely,



Allan Weatherford
Compliance Environmentalist

bc
aw0429cf

cc: Chuck Truby
Raymond Young
Fred Griffin
Bill Osborne
Glenn Sellars
Levon Carroll
Bob Beckham
Don Sterba
Duwood Mulford
Buddy Morris
James Dollar
Jim Read
Les Shadd
Leroy Coker
Wayne Daniels
Riley Jackson
Donnie Owings
Joe Kolb
Tom Gardiner, ENSR

S. Almon



Florida Gas Transmission Company

P. O. Box 945100 Maitland, Florida 32794-5100 (407) 875-5800

Federal Express

RECEIVED
DER - MAIL ROOM
1992 APR 30 AM 10:49

April 29, 1992

Mr. Clair Fancy
Florida Department of
Environmental Regulation
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Fancy:

**RE: Request for Extensions of Construction Permits
Phase II Air Permits**

Permit No. AC57-188869

Florida Gas Transmission Company, Station 12
Munson, Santa Rosa County, Florida

Permit No. AC67-189220

Florida Gas Transmission Company, Station 13
Caryville, Washington County, Florida

Permit No. AC20-189438

Florida Gas Transmission Company, Station 14
Quincy, Gadsden County, Florida

Permit No. AC62-189439

Florida Gas Transmission Company, Station 15
Perry, Taylor County, Florida

Permit No. AC04-189454

Florida Gas Transmission Company, Station 16
Brooker, Bradford County, Florida

Permit No. AC42-189455

Florida Gas Transmission Company, Station 17
Salt Springs, Marion County, Florida

Permit No. AC48-189456

Florida Gas Transmission Company, Station 18
Orlando, Orange County, Florida

Permit No. AC05-189665

Florida Gas Transmission Company, Station 19
Melbourne, Brevard County, Florida

Permit No. AC56-189457

Florida Gas Transmission Company, Station 20
Ft. Pierce, St. Lucie County, Florida

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER

2181636892

2181636892

RECIPIENT'S COPY

Date 4/29/92		To (Recipient's Name) Please Print Mr. Clair Fancy		Recipient's Phone Number (Very Important)			
From (Your Name) Please Print Allan Weatherford		Your Phone Number (Very Important) 407-975-8800		Company Department/Floor No.			
Company FLORIDA GAS TRANSMISSION		Company Fla Dept. Of Environmental Relation		Department/Floor No.			
Street Address 31 SOUTH LAKE DESTINY 8450		Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes) 2600 Blair Stone Road		City Tallahassee Fla.			
City ATLANTA		City Tallahassee Fla.		State FL			
State FL		State Fla.		ZIP Required 32399 9400			
ZIP Required 3 2 7 5 1		ZIP Required 32399 9400		ZIP Required			
YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)				IF HOLD FOR PICK-UP, Print FEDEX Address Here			
PAYMENT 1 <input type="checkbox"/> Bill Sender 2 <input type="checkbox"/> Bill Recipient's FedEx Acct No 3 <input type="checkbox"/> Bill 3rd Party FedEx Acct No 4 <input type="checkbox"/> Bill Credit Card				Street Address			
5 <input type="checkbox"/> Cash/Check				City			
3 SERVICES (Check only one box)		5 DELIVERY AND SPECIAL HANDLING (Check services required)		6 INCHES WEIGHT in Pounds Only YOUR DECLARED VALUE			
Priority Overnight (Delivery by next business morning) 11 <input type="checkbox"/> YOUR PACKAGING 16 <input type="checkbox"/> FEDEX LETTER * 12 <input type="checkbox"/> FEDEX PAK * 13 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE		Standard Overnight (Delivery by next business afternoon) 51 <input type="checkbox"/> YOUR PACKAGING 66 <input type="checkbox"/> FEDEX LETTER * 52 <input type="checkbox"/> FEDEX PAK * 53 <input type="checkbox"/> FEDEX BOX 54 <input type="checkbox"/> FEDEX TUBE		1 <input type="checkbox"/> HOLD FOR PICK-UP (if # in Box #) 2 <input type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input type="checkbox"/> DRY ICE _____ Lbs 7 <input type="checkbox"/> OTHER SPECIAL SERVICE _____ 8 <input type="checkbox"/> 9 <input type="checkbox"/> SATURDAY PICK-UP (if extra charge) 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> HOLIDAY DELIVERY (if allowed) (if extra charge)		DIM SHIPMENT (Chargeable Weight) Regular Ship 3 CT Deep Box 4 CT BSC 5 CT Station 2 1/2 On Cap Ship	
Economy Two-Day (Delivery by second business day) 30 <input type="checkbox"/> ECONOMY		Government Overnight (Permitted for authorized users only) 46 <input type="checkbox"/> GOVT LETTER 41 <input type="checkbox"/> GOVT PACKAGE		Emp. No. Date <input type="checkbox"/> Cash Received <input type="checkbox"/> Return Shipment <input type="checkbox"/> Third Party <input type="checkbox"/> Chg To Del <input type="checkbox"/> Chg To Hold Street Address City State Zip Received By Date/Time Received FedEx Employee Number			
Freight Service (No Extra charge if any package over 150 lbs) 70 <input type="checkbox"/> OVERNIGHT FREIGHT ** (Confirmed registration required) ↑ Delivery commitment may be later in some areas		80 <input type="checkbox"/> TWO-DAY FREIGHT ** *Declared Value Limit \$100 **Call for delivery schedule		Federal Express Use 1 Base Charges Declared Value Charge Other 1 Other 2 Total Charges REVISION DATE 8/91 PART #113/204 EXEM 2/92 FORMAT #099 099 © 1990 91 FEDEX PRINTED IN U.S.A.			
				Release Signature <i>M. Johnson</i> Date/Time			

Mr. Clair Fancy
Page 2 of 2
April 29, 1992

On behalf of Florida Gas Transmission Company, I respectfully request extensions of the construction permits referenced above. The permits are due to expire on June 30, 1992 and FGT needs more time to evaluate the operation and performance of the engines.

Emissions tests were done on the engines in March 1992. The test reports will be submitted to DER within the next two weeks. Preliminary results indicate that all emission limits were met.

FGT requests the expiration dates be extended to June 30, 1993. This 12-month extension will allow FGT the necessary time to thoroughly evaluate the operation of the new engines and to determine if additions or revisions to the permits are needed.

In anticipation of your approval, I've enclosed a check for \$450 to cover the permit extension fee for each of the nine stations.

Sincerely,



Allan Weatherford
Compliance Environmentalist

bc
aw0429cf

cc: Chuck Truby
Raymond Young
Fred Griffin
Bill Osborne
Glenn Sellars
Levon Carroll
Bob Beckham
Don Sterba
Duwood Mulford
Buddy Morris
James Dollar
Jim Read
Les Shadd
Leroy Coker
Wayne Daniels
Riley Jackson
Donnie Owings
Joe Kolb
Tom Gardiner, ENSR
S. Heron

CHECK NO.
0622503915

FLORIDA GAS TRANSMISSION COMPANY
P.O. BOX 1188
HOUSTON, TEXAS 77251-1188

DATE OF CHECK
April 29, 1992

**ENRON
CORP**

PAY EXACTLY Four Hundred Fifty Dollars & 00/100 DOLLARS 450.00

This check is VOID unless printed on BLUE background.

PAY
TO THE
ORDER
OF

Department of Environmental Regulation
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Betty Clark

NOT VALID OVER \$5,000 UNLESS COUNTERSIGNED

UNITED BANK OF GRAND JUNCTION

⑈0622503915⑈ ⑆102100918⑆ 606 0034075⑈

Phase II Air Permits

Permit No. AC57-188869

Florida Gas Transmission Company, Station 12
Munson, Santa Rosa County, Florida

Permit No. AC67-189220

Florida Gas Transmission Company, Station 13
Caryville, Washington County, Florida

Permit No. AC20-189438

Florida Gas Transmission Company, Station 14
Quincy, Gadsden County, Florida

Permit No. AC62-189439

Florida Gas Transmission Company, Station 15
Perry, Taylor County, Florida

Permit No. AC04-189454

Florida Gas Transmission Company, Station 16
Brooker, Bradford County, Florida

Permit No. AC42-189455

Florida Gas Transmission Company, Station 17
Salt Springs, Marion County, Florida

Permit No. AC48-189456

Florida Gas Transmission Company, Station 18
Orlando, Orange County, Florida

Permit No. AC05-189665

Florida Gas Transmission Company, Station 19
Melbourne, Brevard County, Florida

Permit No. AC56-189457

Florida Gas Transmission Company, Station 20
Ft. Pierce, St. Lucie County, Florida