



Florida Gas Transmission Company

P. O. Box 1188 Houston, Texas 77251-1188 (713) 853-6161

August 31, 1993

RECEIVED

SEP 2 1993

Ms. Patty Adams
Air Permitting and Standards
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Division of Air
Resources Management

RE: Intent to Issue Permit
Proof of Publication - Air Permit
Florida Gas Transmission Company
AC 56-189457
Station No. 20 - St. Lucie county, Ft. Pierce, Florida
AC 29-228821
Station No. 30 - Hillsborough County, Plant City, Florida

Dear Ms. Adams:

As discussed with you on the phone earlier today, please find attached copies of two affidavits as proof of public notice publication for the above referenced air permits. As you can see, the originals were sent to the district offices.

Should you have any additional questions or need additional information, please do not hesitate to call me at (713) 853-3569.

Sincerely,

V. Duane Pierce, Ph.D.
Air Quality Supervisor
Phase III Expansion Project
Florida Gas Transmission Company

cc: Teresa Heron - FDEP
William Osborne
Allan Weatherford
Files

FILE: FDEP01.LTR

G. Harper, EEP
G. Murphy, OPS



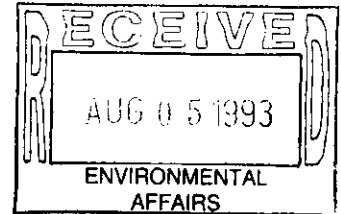
Florida Gas Transmission Company

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

Certified Mail

August 4, 1993

Mr. Tom Tittle
Florida Department of
Environmental Regulation
PO Box 15425
West Palm Beach, Florida 33406



Dear Mr. Tittle:

RE: Intent to Issue Permit
Proof of Publication - Air Permit
AC56-189457
Florida Gas Transmission Company
Station No. 20
St. Lucie County, Ft. Pierce, Florida

Attached is one (1) affidavit as proof of publication of the intent to issue notice for the above-referenced site.

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

Sincerely,

Allan Weatherford, REM
Compliance Environmentalist

bc
aw0804tt
attach

cc: Don Sterba
Allan Vollmer w/encl
~~Duane Pierce~~

STATE OF FLORIDA
COUNTY OF ST. LUCIE

Before the undersigned authority personally appeared
avid T. Rutledge or Kathleen K. LeClair, who on oath
ys that he/she is publisher, business manager of The
 Tribune, a daily newspaper published at Fort Pierce in St.
 Lucie County, Florida; that the attached copy of the
 advertisement, being a NOTICE OF INTENT TO ISSUE PERMIT
 the matter of installing one natural gas fired...
 engine in St. Lucie County

as published in said newspaper in the issues of
uly 31, 1993

ffiant further says that The Tribune is a newspaper published at Fort Pierce,
 said St. Lucie County, Florida, and that the said newspaper has heretofore
 continuously published in St. Lucie County, Florida, each day and has been
 red as second class mail matter at the post office in Fort Pierce, in said St.
 Lucie County, Florida, for a period of one year next preceding the first
 ulation of the attached copy of advertisement: and affiant further says that
 has neither paid nor promised any person, firm or corporation any discount,
 ate, commission or refund for the purpose of securing this advertisement for
 ulation in the said newspaper.

orn to and subscribed before me

is 2nd day of August

D. 1993

Lilli-Anne Senesac

Notary Public

State of Florida at Large

My Commission Expires

April 2, 1994

IAL) Notary Public Lilli-Anne Senesac AA763828

STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL
REGULATION
NOTICE OF INTENT TO
ISSUE PERMIT

The Department of Envi-
ronmental Protection gives
notice of its intent to issue a
permit to Florida Gas Trans-
mission Company, Post Of-
fice Box 1188, Houston,
Houston, Texas 77251-1188,
to install one natural gas
fired engine. The Com-
pany's facility is located 6
miles west of the town of Ft.
Pierce, in St. Lucie County,
Florida. Modeling results
show that approximately 9
percent of the annual NO_x
Class II PSD Increment will
be consumed. The maxi-
mum predicted NO_x impact
on the PSD Class I area is
well below the National
Park Service recommended
significant impact level.
These emissions will not
cause or contribute to a vi-
olation of any ambient air
quality standard or PSD in-
crement. A determination of
Best Available Control Tech-
nology (BACT) was required.
The Department is issuing
this intent to issue for the
reasons stated in the Tech-
nical Evaluation and Prelimi-
nary Determination.

A person whose substan-
tial interests are affected by
the Department's proposed
permitting decision may pe-
tition for an administrative
proceeding (hearing) in ac-
cordance with Section
120.57, Florida Statutes. The
petition must contain the in-
formation set forth below
and must be filed (re-
ceived) in the Office of
General Counsel of the De-
partment at 2600 Blair
Stone Road, Tallahassee,
Florida 32399-2400, within
14 days of publication of
this notice. Petitioner shall
mail a copy of the petition
to the applicant at the ad-
dress 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 re-
quest an administrative de-
termination hearing) under
Section 120.57, Florida Stat-
utes.

The Petition shall contain
the following information:
(a) The name, address, and
telephone number of each
petitioner, the applicant's
name and address, the De-
partment Permit File Num-
ber and the county in
which the project is pro-
posed; (b) A statement of
how and when each peti-
tioner received notice of
the Department's action of
proposed action; (c) A
statement of how each pe-
titioner's substantial interests
are affected by the De-
partment's action of pro-
posed action; (d) A state-
ment of the material facts
disputed by Petitioner, if
any; (e) A statement of
facts which petitioner con-
tends warrant reversal or
modification of the De-
partment's action or pro-
posed action; (f) A state-
ment of which rules or stat-
utes petitioner contends re-
quire reversal or modifica-
tion of the Department's ac-
tion or proposed action;
and (g) A statement of the
relief sought by petitioner.

(SEAL) Notary Public

LILLIAN-ANNE GENESEE

AA763828

Notary Public
State of Florida at Large
My Commission Expires
June 2, 1994

person'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 Notice. Persons whose substantial interests will be affected 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 publication of this notice 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.

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

Department of Environmental Protection
Bureau of Air Regulation
111 S. Magnolia Park Courtyard
Tallahassee, Florida

Department of Environmental Protection
Southeast District Office
1900 South Congress Avenue, Suite A, West Palm Beach, Florida 33406.

Any person may send written comments on the proposed action to Mr. Preston Lewis at the Department's Tallahassee address. All comments received within 30 days of the publication of this notice will be considered in the Department's final determination.

Further, a public hearing can be requested by any person(s). Such requests must be submitted within 30 days of this notice.

Publish: July 31, 1993



Florida Gas Transmission Company

P. O. Box 1188 Houston, Texas 77251-1188 (713) 853-6161

August 11, 1993

RECEIVED
AUG 13 1993
Division of Air
Resources Management

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

RE: Changes to FGT Phase III Expansion Project Air Permits

Draft Air Permit AC 62-229319 / PSD-FL-202
Natural Gas Compressor Station No. 15, Taylor County

Draft Air Permit AC 05-229322
Natural Gas Compressor Station No. 19, Brevard County

Draft Air Permit AC 56-230129 / PSD-FL-203
Natural Gas Compressor Station No. 20, St. Lucie County

Draft Air Permit AC 50-229440
Natural Gas Compressor Station No. 21, Palm Beach County

Draft Air Permit AC 09-229441
Natural Gas Compressor Station No. 26, Citrus County

Draft Air Permit AC 29-228821
Natural Gas Compressor Station No. 30, Hillsborough County

Dear Mr. Fancy:

We respectfully propose the following changes to each of the above referenced draft permits.

Item A

We propose increasing the maximum heat inputs and maximum natural gas consumption rates for each engine (Specific condition #5). We are proposing this change as a result of test results

Mr. Clair Fancy
FGT Phase III Permits
August 11, 1993
Page 2

on our Phase II engines which indicate higher values than those provided by the engine manufacturers and used in the permits for Phase II engines. The values proposed in our applications for our Phase III engines are also based on values provided by the manufacturers. We believe it is necessary to increase these values for our Phase III engines, in order to prevent potential future compliance problems. We propose to increase these values by 20 %. We believe the new values will be more correct. Since the SO₂ and PM emission rates are based on fuel consumption, we are proposing to increase these also. These changes are provided in the attached table.

Item B

The emission limits in the permits (Specific Condition #1) represent the emission rates at 100% load conditions. We propose adding a statement or footnote to this emission limit table that indicates this.

Item C

On the same emission limit table the Emission Factor for SO₂ is given as "10 gr/100scf." This suggests that the factor is based upon 10 gr of SO₂ when it is actually sulfur. We suggest the following wording be used: "100 gr S/100/scf" to avoid confusion.

Item D

Specific Condition #12 (#11 for AC 56-230129 / PSD-FL-203 Compressor Station No. 20 and Ac 05-229322 Compressor Station No. 19) requires the source to be tested while operating "between 95% and 100% of maximum capacity." The permits for our Phase II engines require testing between 90% and 100% of maximum capacity. Due to the nature of our operations, it is sometimes difficult to reach even the 90% load on our engines when a test is scheduled. Raising this minimum level to 95% will make this a greater problem. We therefore request that this condition be changed to require testing "between 90% and 100% of maximum capacity" as required by our other permits.

Mr. Clair Fancy
FGT Phase III Permits
August 11, 1993
Page 3

Again FGT appreciates this opportunity to comment on these permit conditions and your consideration of our proposed changes. If you have any questions or need additional information, please do not hesitate to call me at (713) 853-3569.

Sincerely,



V. Duane Pierce, Ph.D.
Air Quality Supervisor
Phase III Expansion Project
Florida Gas Transmission Company

cc: Carlon Nelson
William Osborne
Allan Weatherford
Barry Andrews - ENSR
Files

FILE: 00FDER01.LTR

J. Deryn
H. Zhang
G. Cole, NE Dist,
A. Zahm, E Dist,
B. Thomas, SW Dist,
E. Goldman, SE Dist

ORIGINALLY PROPOSED VALUES

STATION	MAXIMUM HEAT INPUT (MMBtu/hr)	MAXIMUM GAS CONSUMPTION (MMscf/hr)	SO ₂ EMISSIONS		PM/PM ₁₀ EMISSIONS	
			lb/hr	T/yr	lb/hr	T/yr
15	109.66	0.1054	3.01	13.19	0.53	2.31
19	38.3	0.0368	0.94	4.12	0.17	0.74
20	27.8	0.0267	0.70	3.33	0.13	0.57
21	59.60	0.057	1.64	7.18	0.29	1.26
26	59.60	0.057	1.64	7.18	0.29	1.26
30	13.13	0.013	0.37	1.62	0.064	0.28

NEW VALUES

STATION	MAXIMUM HEAT INPUT (MMBtu/hr)	MAXIMUM GAS CONSUMPTION (MMscf/hr)	SO ₂ EMISSIONS		PM/PM ₁₀ EMISSIONS	
			lb/hr	T/yr	lb/hr	T/yr
15	131.59	0.1265	3.61	15.83	0.64	2.77
19	45.96	0.0442	1.13	4.94	0.20	0.89
20	33.36	0.0320	0.84	4.00	0.16	0.68
21	71.52	0.0684	1.97	8.62	0.35	1.51
26	71.52	0.0684	1.97	8.62	0.35	1.51
30	15.76	0.0156	0.44	1.94	0.077	0.34

FILE: 00FDER01.LTR



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

JUL 26 1993

RECEIVED

4APT-AEB

AUG 03 1993

Mr. Clair H. Fancy, P.E., Chief
Bureau of Air Regulation
Florida Department of Environmental
Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Division of Air
Resources Management

RE: Florida Gas Transmission Company, Compressor Station
Number 20, St. Lucie County, FL (PSD-FL-203)

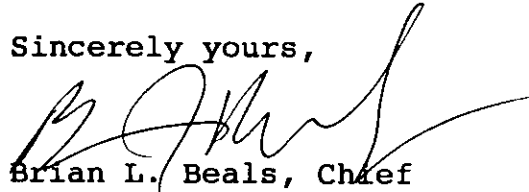
Dear Mr. Fancy:

This is to acknowledge receipt of the Prevention of Significant Deterioration (PSD) permit application package for the above referenced facility, by your letter dated April 28, 1993. The proposed expansion to the existing facility will be the addition of one Cooper-Bessemer 10V-275C natural gas fired, reciprocating, internal combustion engine, equipped with lean-burn technology. The proposed engine is rated at 4,000 brake horsepower and will be used to drive gas compressors for transporting natural gas by pipeline for distribution to markets in the Gulf Coast region. The proposed modification is subject to PSD review on the basis of significant NO_x emissions.

The applicant proposes to limit NO_x emissions from the combustion engine through lean-burn technology.

We have reviewed the package as submitted and have no adverse comments. Thank you for the opportunity to review and comment on the package. If you have any questions or comments, please contact Mr. Scott Davis of my staff at (404) 347-5014.

Sincerely yours,


Brian L. Beals, Chief
Source Evaluation Unit
Air Enforcement Branch
Air, Pesticides, and Toxics
Management Division

cc: J. Heron
K. Zhang
J. Goldman, SE Dist
G. Bunyak, WPS } 8-6-93



Florida Gas Transmission Company

P. O. Box 1188 Houston, Texas 77251-1188 (713) 853-6161

July 30, 1993

RECEIVED

AUG 2 1993

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

Dear Mr. Fancy:

Upon reviewing the Technical Evaluations and Preliminary Determinations for the proposed natural gas compressor engines located in Palm Beach County (Station No. 21) and Citrus County (Station No. 26), it was discovered that our draft permits contained the nominal lb/hr emission rates rather than the maximum emission rates which were presented in the Applications to Operate/Construct Air Pollution Sources. Further review indicates that this error also holds true for draft permits which have been received for proposed natural gas compressor engines located in Taylor County (Station No. 20).

Florida Gas Transmission Company (FGTC) requests that the permits be amended to include the maximum lb/hr emission levels for the natural gas compressor engines addressed above as follows:

Station	Pollutant (lb/hr)					
	No _x	CO	VOC	TSP	PM ₁₀	SO ₂
No. 15 - Taylor County (AC 62-229319)	18.66	13.49	0.76	0.53	0.53	3.01
No. 19 - Brevard County (AC 05-229322)	79.38	45.20	16.57	0.19	0.19	1.05
No. 20 - St. Lucie County (AC 56-230129)	52.92	26.46	12.35	0.15	0.15	0.84
No. 21 - Palm Beach County (AC 50-229440)	9.15	6.64	0.38	0.29	0.29	1.64
No. 26 - Citrus County (AC 09-229441)	9.15	6.64	0.38	0.29	0.29	1.64

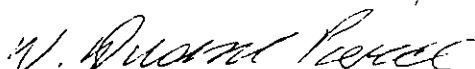
Mr. Clair Fancy, P.E.
July 30, 1993
Page 2.

These changes do not affect the TPY limits which are based on the nominal lb/hr emission rates. FGTC also discovered that for Station 21, the nominal lb/hr emission rates presented in Table 2-2 of our application were inadvertently transferred to the maximum lb/hr column on page 4A of the Application to Operate/Construct Air Pollution Sources. To resolve this error, FGTC has included a corrected page 4A and has had this transmittal letter signed and sealed by Barry Andrews (ENSR Consulting and Engineering) who is representing FGTC as the professional engineer of record. This procedure is consistent with instructions given by Mr. Preston Lewis of your bureau.

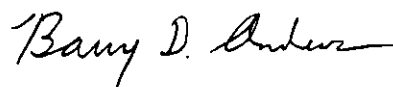
Please note that this letter is not intended to address all of FGTC's comments for Stations 20, 21 and 26. FGTC is presently reviewing the Technical Evaluations and Preliminary Determinations for each of these Stations and will be providing additional comments in the near future.

FGTC appreciates the opportunity to provide the Bureau of Air Regulation with these comments. Should you have any questions, please contact Duane Pierce at (713) 853-3569.

Sincerely,



V. Duane Pierce, Ph.D.
Air Quality Supervisor
Phase III Expansion Project
Florida Gas Transmission Company



Barry Andrews, P.E.
ENSR Consulting and Engineering

Enclosures

cc: Carlton Nelson EB0463
 William R. Osborne EB0365
 Files

VDP:mcb
pierce\corres\073093

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): _____
2. Product Weight (lbs/hr): _____

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Emission Point 2101

Name of Contaminant	Emission ¹		Allowed ² Emission ² Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
NO _x	9.15	39.05			9.15	39.05	
CO	6.64	28.29			6.64	28.29	
NMHC	.38	1.62			.38	1.62	
SO ₂	1.64	7.18			1.64	7.18	
PM	.29	1.26			.29	1.26	

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

³Calculated from operating rate and applicable standard.

⁴Emission, if source operated without control (See Section V, Item 3).