

Department of Environmental Protection

Jeb Bush

Marjory Stoneman Douglas Building 3900 Commonwealth Boulevard Tallahassee, Florida 32399-3000

David B. Struhs Secretary

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STATE OF FLORIDA **DIVISION OF ADMINISTRATIVE HEARINGS**

ELIZABETH A. ENLUND and DAVID A. PICKERING,

DRAFT

Petitioners.

V3.

: •

DOAH Case No. 02-1678 Air Permit No. 0571279-001-AC

FLORIDA GAS TRANSMISSION COMPANY and DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Respondents.

RESPONDENT FLORIDA GAS TRANSMISSION COMPANYS MOTION TO EXPIDITE ADMINISTRATIVE PROCEEDING

Respondent, Florida Gas Transmission Company (FGT), by and through its undersigned attorneys and pursuant to Florida Administrative Code Rules 28-106.204 and 28-106.211, moves to expedite discovery and the hearing date in this Administrative Proceeding and states:

Background

- 1. On March 4, 2002, the Department of Environmental Protection (Department) gave notice of its intent to issue Air Construction Permit No. 0571279-001-AC to FGT for the construction of Compressor Station 27 ('CS 27) in Hillsborough County, Florida. Notice of the Department's intent to issue this permit was published in the Tampa Tribune on March 12, 2002.
- 2. On March 26, 2002, Petitioners Elizabeth A. Enlund and David A. Pickering (Petitioners') filed a petition for administrative proceeding alleging various concerns with the construction of CS 27 at its present location.
- CS 27 is considered a minor source of air pollution and will consist of two 7222 bhp gas turbine compressor engines, fired with natural gas, and miscellaneous support

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DRAFT

FGT. The site is approximately two miles south of U.S. Highway 301 on County Road 579 near the town of Thonotosassa, Florida. CS 27 is being constructed to maintain natural gas transportation commitments to downstream customers after FGT's Bayside lateral pipeline is completed. The Bayside Lateral pipeline is being constructed to provide natural gas for the conversion of Tampa Electric Company's (TECO) Gannon facility from coal/oil fired electrical generating units to natural gas fired units.

- 4. The Gannon facility conversion is part of an agreement between TECO and the Department to reduce pollution in the Tampa Bay area. The efforts under this agreement are expected to bring the entire Tampa Bay area back into compliance with the Environmental Protection Agency's federal air quality standards. The agreement is a court-enforceable order requiring TECO to reduce its air pollution by 85%. One of three main components of this agreement is the conversion of the Cannon facility from coal to natural gas. The repowering of the coal-fired units at the Gannon facility will result in an estimated reduction in nitrogen oxide (NOx) emissions by 33,000 tons per year and an estimated reduction in sulfur dioxide emissions by 60,000 tons per year by 2010. Mercury emissions should also be reduced by approximately 68%.
- 5. FGT is contractually obligated to provide natural gas for the TECO Gamon (Bayside) facility conversion commencing on January 1, 2003. This requires that construction of CS 27 be completed in time to provide test gas to TECO, and meet FGTs existing customer demands, by January 1, 2003. Currently, construction of CS 27 is scheduled to begin September 4, 2002, in order to meet these demands.

Argument

DRAFT

- 6. The applicant for a minor source air construction permit is required to provide reasonable assurances that it will comply with applicable Department rules and standards, Florida Department of Transportation v. J.W.C. Company, Inc., 396 So.2d 778 (Fla. 1st DCA 1981). A minor source air construction permitting proceeding contemplates a narrow, limited scope proceeding based solely on compliance with applicable pollution control standards and rules. See Council of the Lower Keys v. Charley Toppino & Sons, Inc., 429 So.2d 67 (Fla. 3d DCA 1983).
- 7. Considering the narrow, limited scope of this proceeding, expediting discovery and the hearing date will not prejudice Petitioners. Petitioners have had and will have ample time to prepare their case, having had notice of this project since at least March 12, 2002 (Petition, ¶ 3). To accommodate Petitioners, FGT commits to provide full and prompt disclosure of discoverable information and agrees to cooperate fully with Petitioners concerning the availability of its witnesses.
- 8. On the other hand, delay of this proceeding will seriously prejudice FGT and the Department. Construction of the Bryside Lateral is currently scheduled to begin in June 2002. If construction is significantly delayed by this proceeding, FGT may be unable to meet contractual agreements with TECO, resulting in continuing air pollution in Hillsborough County and potentially jeopardizing TEC(7s ability to meet its court-enforceable order requiring reduction of its air pollution by 85%. FGT could be subject to unnecessary contract penalties from TECO if it fails to provide na ural gas to the Bayside facility as required in the contract. Further, should the Bayside Lateral pipeline not be timely constructed, current downstream FGT customers might experience reductions in gas availability, potentially resulting in reduced electrical generation capabilities. F3T believes that an expedited discovery schedule and date

DRAFT

for the hearing will enable it to meet its contractual commitments, and the needs of TECO, should the Department's issuance of the permit be upheld.

9. Counsel for FGT has contacted the Petitioners and counsel for the Department concerning this motion. Counsel for FGT has been authorized to represent that the Department joins??? in this motion to expedite and agrees to the discovery accommodations set forth in paragraph 7 above???. Petitioners have indicated that they will file a response in opposition???? to this motion.

WHEREFORE, Respondent, Florida Gas Transmission Company, respectfully requests that the Administrative Law Judge enter an order setting an expedited discovery schedule and date for the final hearing in this administrative proceeding.

Respectfully submitted this ___ day of May 2002.

DRAFT

Anne Longman
Florida Bar No. 0287547
Ed Steinmeyer
Florida Bar No. 0883920
John Forehand
Florida Bar No. 0979813
LEWIS, LONGMAN & WALKER, P.A.
125 South Gadsden Street, Suite 300
Post Office Box 10788 (32302)
Tallahassee, Florida 32301
Telephone: (850) 222-5702
Facsimile: (850) 224-9242

Attomeys for Respondent Florida Gas Transmission Company

CENTIFICATE OF SERVICE

4

I HEREBY CERTIFY that a true and correct copy of the foregoing was served by U. S. Mail on Elizabeth A. Enlund and David A. Pickering, Post Office Box 778, Thonotosassa, Florida 33592-0778 and Douglas W. Beeson, Assistant General Counsel, Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000 this _____ day of May 2002.

DRAFT

Attorney



Department of **Environmental Protection**

Jeb Bush Governor Marjory Stoneman Douglas Building 3900 Commonwealth Boulevard Tallahassee, Florida 32399-3000

David B. Struha Secretary

FAX COVER SHEET

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COMMENTS:

March 23, 2002

Office of General Counsel
Department of Environmental Protection
3900 Commonwealth Boulevard
Mail Station # 35
Tallahassee, FL 32399-3000

Re: Draft Air Permit NO. 0571279-001-AC Florida Gas Transmission Company Hillsborough Compressor Station No. 27 Phase V Modification Project

Petition for an Administrative Proceeding

We are residents of Thonotosassa and own three adjacent parcels of land on Less Traveled Road in Thonotosassa, Florida. We live at 10315 Less Traveled Road. At the nearest point, our property is approximately 180 feet from the proposed Compressor Station 27 property on CR 579.

As such, by our close proximity to this site, we have substantial interests that will be affected by the State of Florida, Department of Environmental Protection's proposed intent to issue an Air Construction Permit to Florida Gas Transmission Company. The noise and air pollution generated at this proposed compressor station will impact us immeasurably and cause our property resale value to diminish.

We received notice of the Department's intent to issue Air Construction Permit through the Legal Notice in the classified section of the Tampa Tribune Tuesday, March 12, 2002.

We maintain that this site on CR 579 is not the original site proposed by Florida Gas Transmission Company for construction of Compressor Station No. 27 and therefore parameters relevant to this site have not been considered. Property owners whose substantial interests are affected by this proposed site were not given proper notice or time to respond to this complicated matter.

The plot plan filed by Florida Gas Transmission Company for the Application for Air Construction Permit No. 0571279-001-AC is not a plot plan for the site on CR 579 and therefore is a misrepresentation of fact.

The topography of the site on CR 579 differs significantly from the original proposed Compressor Station 27 site. The site on CR 579 has a low elevation of approximately 55 feet and a high elevation of approximately 115 feet. Directly to the west across CR 579 the land has an elevation of approximately 140 feet, the highest elevation in Hillsborough County.

On Table 2-1 (Proposed Compressor Engine 2701/2702 Specifications and Stack Parameters) a copy enclosed, the height of the stacks is to be 61.17 feet. Without a proper plot plan for this site, it would be impossible to determine if such a height is adequate to disperse pollutants and heat generated by this facility. In fact the unusual topography may concentrate pollutants and heat in certain pockets and directions. This ill effect may be heightened during the winter and spring months when dense fogs roll northward from the highest points of land toward our property and blanket us and the town, at times until late morning hours.

The prevailing winds for many months of the year are from a south to southwesterly direction, which would cause the pollutants generated from this site to flow in the direction of our home and property. The most populated areas of our town are within a mile of this site and downwind from the proposed facility.

Florida Gas Transmission Company states that the proposed site on CR 579 is "near the city of Thonotosassa". Thonotosassa is a rural town. This site is in close proximity to the heart of our town. It is less than ½ mile from Thonotosassa Park, a county park which contains much used facilities for football, baseball, softball, little league, soccer, basketball and cheerleading. Also the park has picnic pavilions, outdoor playground equipment, walking paths and a community center which has a children's daycare. This proposed compressor site is approximately ¼ mile from Thonotosassa Elementary School, which is adjacent to the park. The proposed compressor station property is about % mile from our Post Office and Public Library.

Lake Thonotosassa is about a mile to the northeast from this proposed compressor station property and is in the direction of the prevailing wind flow. This lake is environmentally sensitive and is a year round community and recreational jewel.

Furthermore, we contend that the pressure of the gas at this site will be detrimental to the safety of this area.

We urge the State of Florida Department of Environmental Protection to deny the Air Construction Permit for this proposed Compressor Station 27 site on CR 579. This sudden change of location brings the proposed Compressor Station 27 site close to the central core of our town without regard for the topography of the proposed site. The proximity of this site to our elementary school, county park and recreational facilities, public library and the densest concentration of homes will condemn the heart of our town and residents without compensation.

Elizabeth a. Enlund

Mailing address: P.O. Box 778

Thonotosassa, FL 33592-0778 Telephone: (813) 986-8992

ec: Rick Craig Enclosure **AQMcs**

Table 2-1 Proposed Compressor Engine 2701/2702 Specifications and Stack Parameters

Parameter	Design	; ~
Compressor Engine		
Туре	2701 <i>/</i> 2702	114
Manufacturer	Cooper-Rolls Royce	•
Model	501-KC7 DLE	1, 1,
Unit Size	7,200 bhp (ISO /w site elev.)	113
Specific Heat Input*	8,736 Btu/hp-hr	
Maximum Fuel Consumption *	0.0605 MMscf/hr	7
Speed	13,600 rpm	
Stack Parameters		
Stack Height	61,17 ft	٠
Stack Diameter	88" X 66"	
Exhaust Gas Flow	98,206 acfm	
Exhaust Temperature	958 °F	
Exhaust Gas Velocity	40.58 ft/sec	

NOTE:

inches

actual cubic feet per minute. acfm

bhp brake horsepower.

Btu/bhp-hr British thermal units per brake horsepower per hour.

degrees Fahrenheit.

ft * feet.

feet per second. ft/sec

MMscf/hr million standard cubic feet per hour

rpm revolutions per minute.

CS 27 P5 Final State Application.doc

01/04/02

^{*} Based on vendor provided heat input value plus 10% and a heating value for natural gas of 1040 British thermal units per standard cubic foot (Btu/scf).



Florida Department of Environmental Protection

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

David Struhs Secretary

FAX TRANSMITTAL SHEET

DATE:	: Apr. 18,2002	
то:	Superintendent, Hillsborough (v.	
PHONE:	IE: FAX:	813-272-4691
FROM:	1: Jeff Koerner DEP PHONE: 8	750-971-9536
		.922.6979
RE:	New Compressor Station No. 2.7	
CC:		
Total n	I number of pages including cover sheet:	
Mess	ssage	
	was asked to fax a copy of the Public	Notice to you for the
	proposed Florida Gas Transmission project.	This notice was
- V	subtished in the Tampa Tribune on March	12 thank the comment
- 0	period has closed. Please call if you h	ave any questibus
	1000	

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"Protect, Conserve, and Manage Florida's Environmental and Natural Resources"

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PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Air Permit No. 0571279-001-AC

Florida Gas Transmission Company Hillsborough Compressor Station No. 27 Phase V Modification Project

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to the Florida Gas Transmission Company to add new compressor station to be located approximately two miles south of U.S. Highway 301 on County Road 579 near the city of Thonotosassa in Hillsborough County, Florida. The new compressor station is part of their Phase V projects to increase the natural gas pipeline capacity and availability. The applicant's authorized representative is Mr. Rick Craig, Vice President of Southeastern Operations. The applicant's mailing address is Florida Gas Transmission Company, P.O. Box 1188, Houston, TX 77251.

The new facility will consist of two 7222 bhp gas turbine compressor engines fired with natural gas and miscellaneous support equipment including a 585 bhp emergency generator, storage tanks, buildings and ancillary equipment. The new compressor station will have the potential to emit the following pollutants: 61 tons of carbon monoxide per year; 51 tons of nitrogen oxides per year; 4 tons of particulate matter per year; 15 tons of sulfur dioxide per year; and 14 tons of volatile organic compounds per year. Therefore, the facility is classified as a minor source of air pollution with respect to Chapters 62-212 (PSD Major Source Preconstruction Review) and 62-213.400 (Title V Major Source Air Operation Permit). The facility is not a major source of hazardous air pollutants.

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

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

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

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all

disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

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

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

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

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

Fax: 850/922-6979

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

Fax: 813/744-6084

Environmental Protection Commission of Hillsborough County Air Management Division 1410 North 21st Street Tampa, Florida 33605

Telephone: 813/727-5530 Fax: 813/272-5605

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

FAX COVER SHEET

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CC:	D. Pierce		Signature: _	Jay Muscha	- ufu
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BUREAU OF AIR REGULATION

FLORIDA GAS TRANSMISSION COMPANY

PHASE V PROJECT

ACOUSTIC STUDY OF COMPRESSOR STATIONS

BY: R. Alan Hunt, P.E.

Vibranalysis Engineering Corporation

9300 Gamebird Lanc Houston Texas 77034

November 22, 1999

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3.0 Description of New Sound Sources

3.1 Description of New Sound Sources

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- 4.1 High Acoustic Attenuation Buildings
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- 6.1 Station Noise Calculations
- 6.2 Computer Noise Maps

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APPENDIX

Acoustic Study of Compressor Station Modification Florida Gas Transmission Company Phase V Project

1.0 Introduction

The following report summarizes the findings of an acoustic study conducted to evaluate the effects of compression capacity increases at existing and new stations on the Florida Gas Transmission System. This Phase V study focused on performing the calculations necessary to confirm the expected noise contribution of compressor additions at existing and new Stations 11A, 12A, 13A, 14A, 15A, 16, 17, 24, 26, 31 and 44, serving the Florida Gas Transmission (FGT.) System. The analysis confirms that noise levels are below an L_{DN} of 55 dBA at all near NSA's.

To support and validate the calculated noise values, new equipment sound level readings were obtained from the manufacturer. Topographic maps published by the U.S. Geological Survey were obtained for each location and Florida Gas Transmission provided detailed station maps. This data was entered into SoundPlan®, a computer program designed to allow detailed study of development projects.

Both the existing compressor noise emission patterns and vendor data were compared to ensure the accuracy of model results. The effects of intake and exhaust mufflers necessary to ensure compliance with the FERC permit conditions as specified by Florida Gas Transmission have been included in the review.

The following presents a summary of the proposed new sound sources (Section 3.0), a description of the nearest sensitive receptors to each compressor station (Section 4.0), and a description of the noise computer program SoundPlan® (Section 7.0). The information presented herein is intended to comply with the FERC general instruction for filing requirements.

1.1 Station Data

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							abic 1				
Station	11	12A	13A	14A	15A	16	17	24 New	26	31 New	44
Location	Mount Vernon, Alabama	Munson Florida	Caryville, Florida	Quincy Florida	_aylor Florida	Broker, Florida	Silver Spring, Florida	Trenton Florida	LeCanto Florida	Kissimme e, Florida	Mobile Alabama
County	Mobile	Santa Rosa	Washing ton	Quincy	Taylor	Bradford	Marion	Gilchrist	Citrus	Osceola	Mobile
New Units	1	i	2)	1	2		1/1		1
Make	Solar	Solar	Motor		Solar	Caterpillar	Caterpillar		Solar	Motor	Caterpilla f
Model	T-100	T- 90	Cent		Т-60	Recip 3612	Recip 3616		T-60/ KC-9	Cent	Recip 3612
Horse I'wr	15,000	13,000	24,000	-	7,300	3,335	4,445		670/ 3,830	2,500	3,335

1.3 Summary of Noise Impact at NSA's

Florida Gas Transmission Phase V expansion project new or additional compression

Table 2

Station Dist. To NSA		Existing L _{DN}	Post ΦIV	Post OV	Δ Dba
_ 		(Dba)	L _{DN} Dba	L _{DN} Dba	
11	1,360'/norhteast	51.9	51.9	55.0	3.1
12	1,600'/northeast	48.0	49.7	54.4	4.7
13	1,200'/northeast	54.4	54,4	55.0	.6
14	2,900'/southwest	47.0	49,6	52.3	2.7
15	950'/east	51.4	51.4	53.1	1.7
16	1,600'/southeast	49.1	49.1	49.2	.1
17	10,000'/southwest		31.3	34.0	2.7
24	1,900'/southeast]	47.4	50.1	2.7
26	1,200'/southwest	46.0	52.4	54.5	2.1
31	950'/northeast			49.4	
44	700'/northcast			52.0	

2.0 Description of Existing Station Noise

Station 11

Sound level readings were taken on September 7th and 8th, 1999 at all four corners of the Station 11 property (Figure 1). Readings were taken at 11:00 a.m., wind was 5-10 MPH from the southwest, and temperature was 82° F. Two Larson Davis model 700 and two Larson Davis 820 environmental noise loggers were used at the four corners. A Rion NA-29 octave band analyzer and a Rion NC-73 sound calibrator were utilized to collect hand held readings.

Highway traffic is almost continuous with a high mix of heavy trucking effecting readings at the NSA's. To calculate the traffic noise contribution readings were taken 100 feet from the Phase III turbine compressor building at Point A on Figure 1. The contribution of the plant at NSA's can be calculated as below:

$$L_{NSA2} = L - 20 L_{OG} D_1/D_2$$

Where:

L = measure noise level at distance D₁, dB (66.4 dBA)

 L_{NSA2} = calculated noise level at distance D_2 dB

 D_1 = distance in feet (100)

Station	Data Point	L _{EQ} (Day)	L _{EQ} (Night)	L_{DN}
31	1	51.4	44.0	52.6
	1 2	50.6	44.0	52.2
44	1 1	47.1	37.4	47.2
	- 2	37.4	30.0	38.6

3.0 Description of New Sound Sources

The two new compressor stations and the nine existing station upgrades have a variety of new and modified compressors. The effect of horsepower on generated noise has been established through sound tests to approximate the Equation 1 below:

Increase in dB =
$$17 L_{OG} HP ratio^{1}$$
 (1)

The new solar gas turbine/compressors noise characteristics are taken from the "Noise Prediction – Guidelines for Industrial Gas Turbines" publication by Solar Turbines.

3.1 Description of New Sound Sources

Table 5 lists the new or modified noise sources octave band sound power levels utilized in the noise calculations and noise modeling.

Table 5 - Un-muffled Sound Power Data

Machine	Noise Octave Center Frequency, Hz									
		63	125	250	500	1K	2K	4K	8K	DBA
Cat Recip	Engine/Comp	109	111	110	106	101	99	95	86	108
Cat itoeip	Intake	77	84	88	96	97	86	85	<u>77</u>	99.0
<u></u>	Exhaust	103	104	93	86	80	76	74	65	91.2
Solar Saturn 20	Unenclosed Package	113	112	115	114	108	108	109	111	117
<u> </u>	Intake	103	105	109	113	120	122	126	137	137
	Exhaust	123	122	121	119	118	114	110	99	122
Solar	Unenclosed	117	118	120	119	113	110	109	110	120
Taurus 60	Package Intake	122	116	114	118	122	128	149	142	151
	Exhaust	131	129	127	128	129	127	122	117	133
Solar Taurus 90	Unenclosed Package	119	120	121	120	114	111	110	110	121
Tatardo >0	Intake	123	117	115	120	123	129	150	142	152
	Exhaust	133	131	128	129	130	128	122	117	134
Solar Mars 100	Unenclosed Package	109	113	113	115	- 111	120	118	113	124
MINIO IOO	Intake	124	124	124	124	126	130	158	151	159
	Exhaust	121	120	118	119	117	111	102	85	121

¹ Machinery acoustics, Geo. M. Diehl, John Wiley and Sons, Inc.

COMMISSION
PAT FRANK
CHRIS HART
JIM NORMAN
JAN PLATT
THOMAS SCOTT
RONDA STORMS

EXECUTIVE DIRECTOR
RICHARD D. GARRITY, Ph.D.

STACEY EASTERLING



ADMINISTRATIVE OFFICES LEGAL & WATER MANAGEMENT DIVISION 1900 - 9TH AVENUE TAMPA, FLORIDA 33605 TELEPHONE (813) 272-5960 FAX (813) 272-5157

AIR MANAGEMENT DIVISION TELEPHONE (813) 272-5530

WASTE MANAGEMENT DIVISION TELEPHONE (813) 272-5788

WETLANDS MANAGEMENT DIVISION TELEPHONE (813) 272-7104

ENVIRONMENTAL PROTECTION COMMISSION of Hillsborough County

FAX Transmittal Sheet

DATE: March 26, 2002			
TO: Jeff Hema / Mike Halpin			
FAX Phone: 850 - 922 - 6979	_ Voice Phone:		
TOTAL NUMBER OF PAGES INCLU			
For retransmission or any F.			
FROM: Rob Kalch			
(Circle applicable section)	below)		
Air Division			
-Compliance	-Enforcement/Analysis		
-Monitoring/Toxics	-Permitting		
SPECIAL INSTRUCTIONS: Comments (0576278-001-40).	on the Florica San Français		

COMMISSION

PAT FRANK
CHRIS HART
JIM NORMAN
JAN PLATT
THOMAS SCOTT
RONDA STORMS
STACEY EASTERLING

EXECUTIVE DIRECTOR RICHARD D. GARRITY, Ph.D.



ADMINISTRATIVE OFFICES, LEGAL & WATER MANAGEMENT DIVISION THE ROGER P. STEWART ENVIRONMENTAL CENTER 1900 - 9TH AVENUE • TAMPA. FLORIDA 33605 PHONE (813) 272-5960 • FAX (813) 272-5157

> AIR MANAGEMENT DIVISION FAX (813) 272-5605

WASTE MANAGEMENT DIVISION FAX (813) 276-2256

WETLANDS MANAGEMENT DIVISION FAX (813) 272-7144

1410 N. 21ST STREET • TAMPA, FLORIDA 33605

MEMORANDUM

DATE:

March 26, 2002

TO:

Jeff Koerner, P.E.

Florida Department of Environmental Protection

FROM:

Alice H. Harman, P.E.

THRU: Jerry R. Campbell, P.E.

SUBJECT:

Florida Gas Transmission, Station No. 27, 0571279-001-AC

Based upon the Intent to Issue received on March 7, 2002, EPC staff would like to offer the following comments:

- 1. Noise: While the EPC recognizes that the State does not have a noise rule and is precluded from including any local standards in their permits, the applicant has provided to FERC an Environmental Assessment of the noise impacts. In order to meet the EPA Ldn noise guidelines of 55dBA, they have proposed to "install the compressor units in sound-attenuated enclosed buildings" and "the units would have intake and exhaust silencers and would be installed in an acoustically treated compressor building". The FERC Certificate Condition No. 32 requires the facility to perform a noise survey 60 days after start-up and gives one year to take corrective action for any noise exceedances. However, Rules of the EPC Chapter 1-10 include a 55dBA residential nighttime standard that the facility would have to meet effective from day one of operation. Thus we would require corrective actions to be taken to mitigate any noise violation as soon as possible. Therefore, the EPC staff would like to see the FERC requirements referenced in the project description and FGT being placed on notice that they will have to meet our local requirements from start up.
- 2. Odor: In Section 4:Appendix SC Standard Conditions No. 7 has the standard language prohibiting objectionable odor. Based upon staff inspections at the other compressor station in Hillsborough County and the close proximity of residences to this new station, there may be a potential for odor complaints. EPC staff recommends including a requirement in this permit for FGT to provide a Preventive Maintenance and Inspection Plan as part of its operation permit application. The Plan should address the potential sources of odor and should be designed to minimize fugitive

www.epchc.org
E-Mail: epcinfo@epchc.org

03

Jeff Koerner, P.E. Page Two

> leaks. This could be reviewed and approved as part of the operating permit application process

Thank-you for allowing EPC staff to comment on this permit. If you have any questions, please contact our office.

ahh

111 Kelsey Suite A Tampa, Fl. 33619 Phone: 813-855-7441 Fax: 813-655-3951

Contract Land Staff, Inc.

Fax

To: Soff Kosines	From Side (hoursen
Par 850/ 922- 6979	Pages: 5/with Cres
Phone:	Date: 03/21/02
Re: (527 Noise Sure	
Urgent For Review Ple	ase Comment 🏻 Please Reply 🚨 Please Recycl
• Comments:	
Self,	
Some for taking	so long. I couldn't locate my corry
of the report hase.	I asked FGT Regulatory to fox
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the min dispussion in	world. He said he was emailing
a copy to you.	
Let me how it	you need anything more.
	1 hours -



Florida Gas Transmission Company

P.O.Box 1188, Houston, TX 77251-1118, (713)-853-6161

June 18, 2001

Mr. David Boergers, Secretary Federal Energy Regulatory Commission 888 First Street, N.E., Room 1A Washington, D.C. 20426

Re:

Florida Gas Transmission Company Phase V Expansion Project

Supplemental Information Requested from Staff

Docket No. CP00-40-001

Dear Mr. Boergers:

Florida Gas Transmission Company (FGT) submits herewith an original and seven copies of this letter submitting information requested by Staff for the Draft Environmental Impact Statement (DEIS) issued by the Office of Pipeline Regulation of the Federal Energy Regulatory Commission (FERC).

FGT is filing only one copy of the Background Noise Survey of Alternative Station 27 Site with the FERC Office of the Secretary. In addition, copies are being submitted directly to Ms. Lauren O'Donnell of the FERC Environmental Staff and to Mr. JH Rumpp of Foster Wheeler.

Also, enclosed are four copies of this letter to be date stamped and returned to the messanger.

Respectfully submitted,

Stephen T. Veatch, Director

Certificates & Regulatory Reporting

(713) 853-6549

cu: Ms. Lauren O'Donnell, FERC Environmental Staff Mr. JH Rumpp, Foster Wheeler

June 11, 2001

Jim Thompson Florida Gas Transmission 111 Kelsey Lane Tampa Fl 33619

Dear Mr. Thompson:

RE: Background Noise Survey of Alternative Station 27 Site

A background noise survey was made at the alternative Station 27 site near Tampa, Florida on June 5 through 6, 2001. The alternate site is located in Hillsborough county, along County Road 570. The nearest sensitive receptor (NSA 1) is approximately 90 feet north of the proposed property line and NSA 2 is located across the road, parallel to NSA 1. Map 1 attached shows the location of the alternative site and the locations of NSA 1 and 2. Four noise data points are shown on Map 1, where both 1 hour and 4 minute Lep background noise levels were taken. A rain shower at 18:00 and 20:00 on June 5th elevated the data along with 08:00 on June 6th at Point 1 when the data collector was investigate by the Sheriff department.

The nighttime data (La from 22:00 to 07:00) are listed below in dBA.

•		** ***	
Point			Lim
1	58 <u>.1</u>		51.8
2	49.0		44.0
3	45.4		43.7
4	55.8	***	48.1

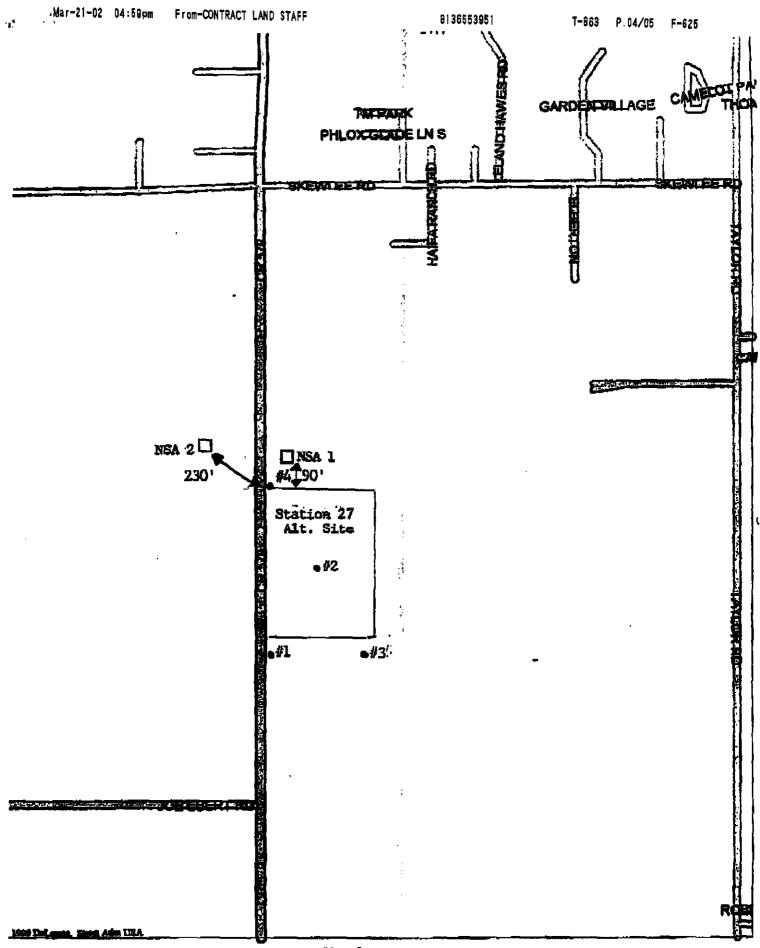
Point 2 is the center of the property and best represents the site levels. Points 1 and 4 were next to County Road 579 and were affected by road traffic. They represent levels approximately 1 dB higher than would be expected at NSA 1 and 2. Map 2 shows the general location of the property. Due to the proximity of the nearest sensitive receptors to the property, I recommend placing the compressors/cooler slightly south of the property center.

Thank you for allowing Vibranalysis Engineering Corporation to be of service. If you have any questions, please do not hesitate to call.

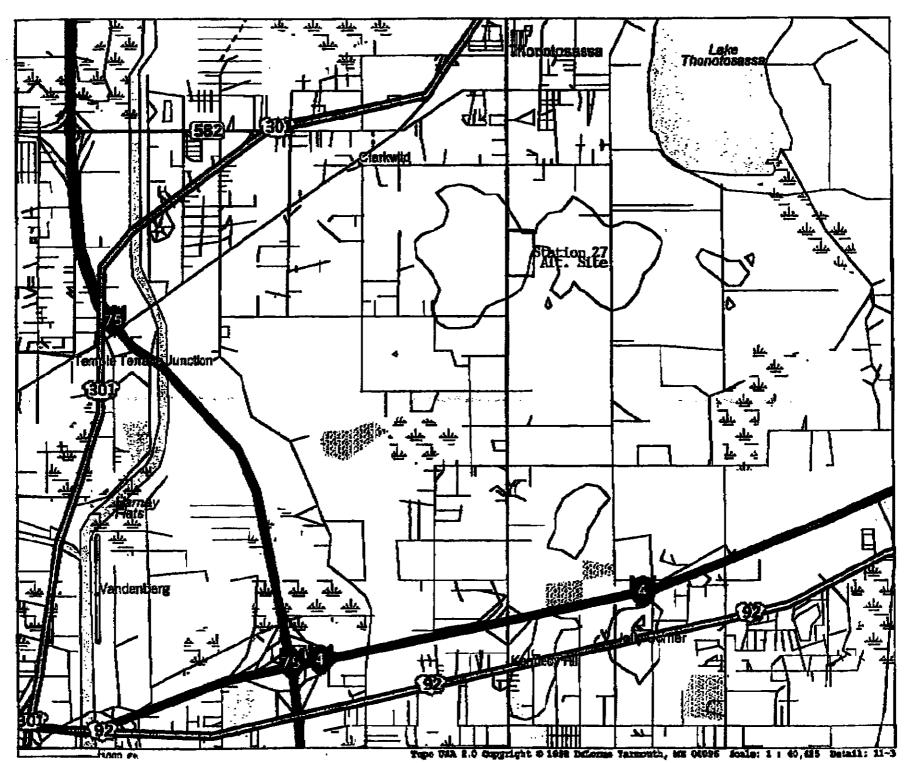
Sincerely.

R. Alan Hunt, P.E. Vice President

CC: Stephen Veatch



Map 1



111 Kelsey Suite A Tampa, Fl. 33619 Phone: 813-655-7441 Fax: 813-655-3951

Contract Land Staff, Inc.

Fax

To: Seff Kourner	From: Sin / homeson	
Fax: 850/ 922-697	9 Pages: 5/W.th. Coron	
Phone:	Date: 03/21/02	
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Florida Gas Transmission Company

P.O.Box 1188, Houston, TX 77251-1118, (713)-853-6161

June 18, 2001

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Federal Energy Regulatory Commission
888 First Street, N.E., Room 1A
Washington, D.C. 20426

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Phase V Expansion Project
Supplemental Information Requested from Staff
Docket No. CP00-40-001

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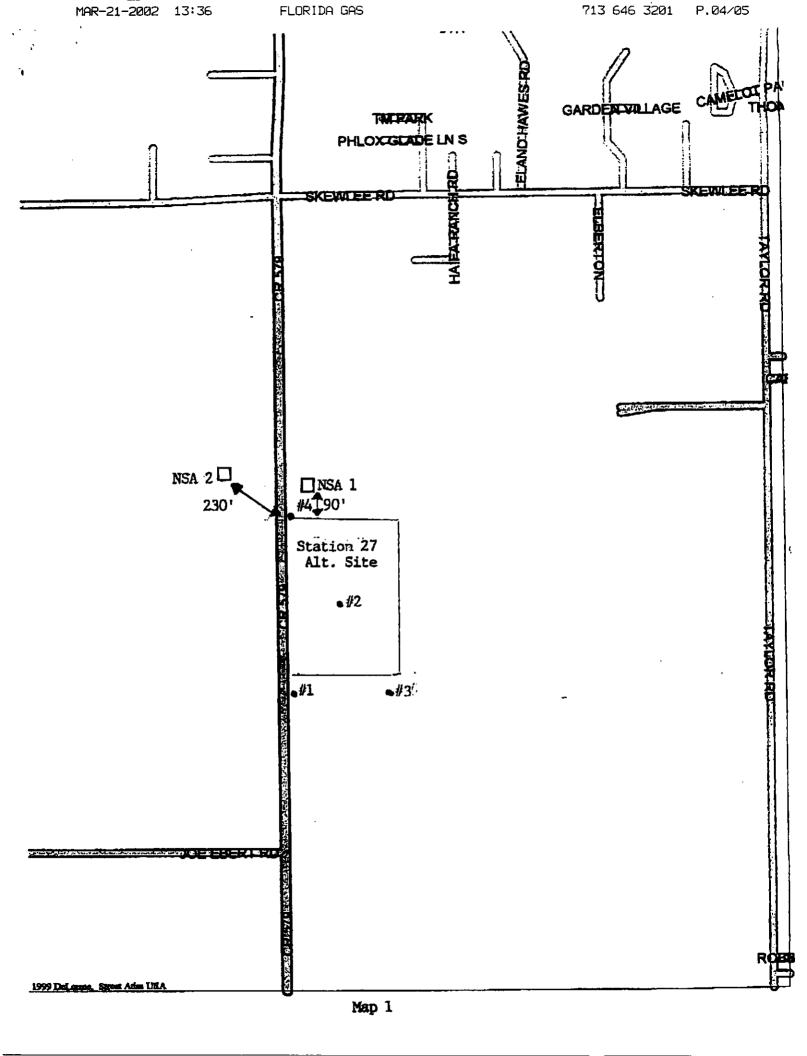
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Sincerely,

Vice President

CC: Stephen Veatch

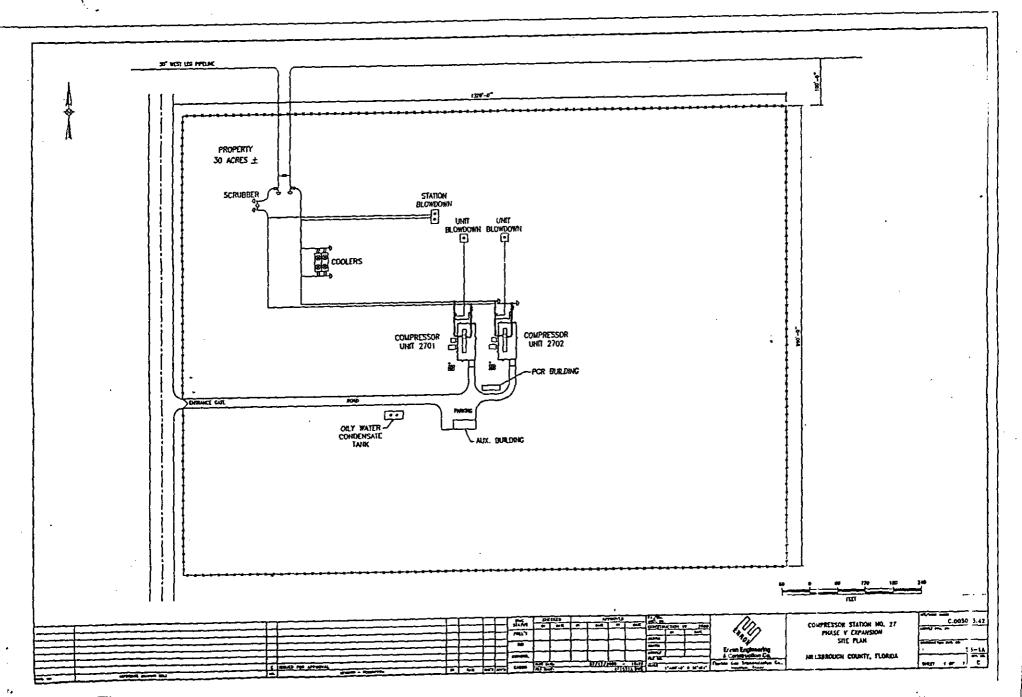


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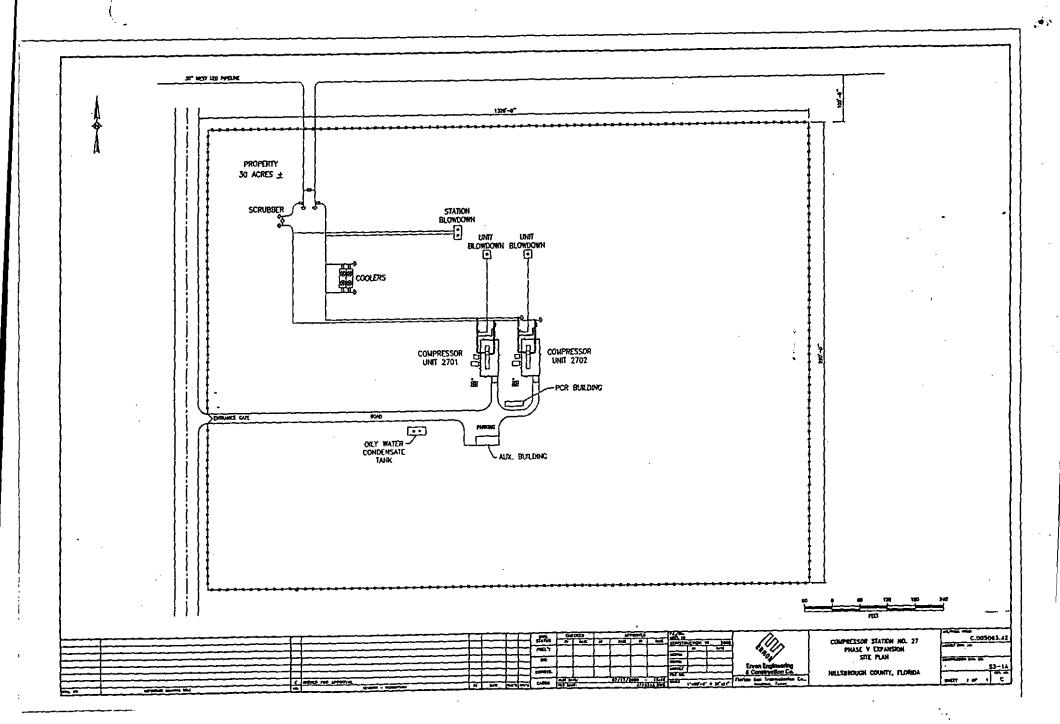
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COMPRESSOR STATION NO. 27 FGT PHASE V EXPANSION AERIAL SITE PLAN

AVAILABLE IN FILE



THE TAMPA TRIBUNE **Published Daily** Tampa, Hillsborough County, Florida

State of Florida

MAR 1 6 2002

County of Hillsborough \} ss. Before the undersigned authority personally appeared J. Rosenthal, who on oath says that she is Advertising Billing Manager of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a """ LEGAL NOTICE in the matter of PUBLIC NOTICE OF INTENT was published in said newspaper in the issues of MARCH 12, 2002 Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa in said Hillsborough County, Plorida and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida for a period of one year next preceding the first public tion of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, this advertisement for publication in the said newspaper. Sworn to and subscribed by me, this , A.D. 20_02 MARCH Personally Known Vor Produced Identification **UPFICIAL NOTARY SEAL** Type of Identification Produced SUSIE LEE SLATON

DD000060 MY COMMISSION EXP. APRIL 16, 2005

PUBLIC NOTICE OF INTENT
TO ISSUE AIR
CONSTRUCTION PERMIT
STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL
PROTECTION
Draft Air Permit No.
0571279-001-AC
Florida Gas Transmission
Company
Hillsborough Compressor
Station No. 27
Phase V Modification
Project
The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to the Florida Gas Transmission
Company to add new compressor station to be located approximately two miles south of U.S. Highway 301 on County Road
579 near the city of Thonotosassa in Hillsborough County, Florida. The new compressor station is part of their Phase V projects to increase the natural gas pipeline capacity and availability. The applicant's authorized representative is Mr. Rick Craig, Vice President of Southeastern Operations. The applicant's mailing address is Florida Gas Transmission Company, P.O. Box 1188, Houston, IX 77251. The new facility will consist of two 7222 bhp gas turbine compressor engines fired with natural gas and miscellaneous support equipment including a 585 bhp emergency generator, storage tanks, buildings and ancillary equipment. The new compressor station will have the potential to emit the following pollutants: 61 tons of carbon monoxide per year, 31 tons of not particulate matter per year, 15 tons of sulfur dioxide per year; and 14 tons of volatile organic compounds per year, 11 tons of volatile organic compounds per year, 31 tons of particulate matter per year, 15 tons of sulfur dioxide per year, 31 tons of sulfur di

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

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

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:
Dept. of Environmental Protection
Bureau of Air Regulation (111 5. Magnolia Drive, Suite 4)
2000 Blair Stone Road, MS #5505
Tallahassee, Florida, Suite 4)
2600 Blair Stone Road, MS
#5505
Tallahassee, Florida,
32399-2400
Telephone: 850/488-0114
Fax: 850/922-6979
Dept. of Environmental
Protection
Southwest District Office
Air Resources Section
3804 Coconut Drive
Tampa, Fl. 33619-8218
Telephone: 813/744-6100
Fax: 813/744-6684
Environmental Protection
Commission
of Hillsborough County
Air Management Division
1410 North 21st Street
Tampa, Florida 33605
Telephone: 813/727-5530
Fax: 813/272-5605
The complete project file
includes the application,
Technical Evaluation and
Preliminary Determination, Draft Permit, and the
information submitted by
the responsible official, exclusive of confidential records under Section
403.111, F.S. Interested
persons may contact the
Department's reviewing
engineer for this project for
additional information at
the address and phone
numbers listed above.