

INSPECTION REPORT EXECUTIVE SUMMARY

PLANT NAME TECO - GANNON NEDS 040 DATE/TIME 7/25/84 3:00 - 4:15

PLANT LOCATION U.S. 41 South # OF NEDS POINTS 11

PROCESS DESCRIPTION Boiler UNIT 1-6 including precipitators and other operations such fly ash handling / storage, coal yard an economizer ash silo, and fly ash silos (all under permits)

COMPLIANCE VERIFICATION ENFORCEMENT (4) PERMIT REVIEW OTHER (1) Type II on 03

PERSONS CONTACTED-TITLE

NEDS POINTS CHECKED 01-11 NEDS POINTS IN COMPLIANCE 01-11 NEDS POINTS IN VIOLATION

SUMMARY OF FINDINGS Boiler units 1 thru 5 were audited by visiting and collecting various operating parameter data (see attachment). Unit # 6 was down and verified by inspection. The load on unit # 3 was being gradually increased for testing (precipitator efficiency by Combustion Engineering). Precipitator # 4 was inspected with voltages ranging from 210-350 volt AC. Due to time constraints the remaining precipitators were not inspected. Mr. Smith indicated the new precipitator was to be installed on # 1 and # 2 during their conversion to coal fuel.

The following data on # 2 unit was used as a guideline for inspection.

125 MW => 1257 MM BTU/HR

Fuel - # 6 fuel oil

Steam flow 950 K #/HR

Steam temp - 1000°F

press - 1580 psig

D. E. R.

INSPECTION COMMENTS FOR APIS (LIMIT 50 SPACES)

AUG 30 1984

SOUTH WEST DISTRICT TAMPA

INSPECTOR'S SIGNATURE Paul Casey



Air
file

March 8, 1985

Mr. Dan Williams
Florida Department of
Environmental Regulation
Southwest District
7601 Highway 301 North
Tampa, Florida 33610

D. E. R.
MAR 14 1985
SOUTHWEST DISTRICT
TAMPA

Dear Mr. Williams:

This is to confirm our conversation on March 6, 1985, concerning the emissions test for Gannon Unit 1 required by permit No. A029-47731. That permit requires an emissions test by March 11, 1985. During the last three years, Unit 1 has been tested annually, however, the tests have not coincided with the permit date. Recently, Tampa Electric Company has attempted to schedule emissions tests so that the test dates coincide with the permit dates. Therefore, even though Unit 1 was tested as recently as August 22, 1984, an emissions test had been scheduled for March 7, 1985. It was then learned that Unit 1 was on cold standby and was not expected to return to service before it was reconverted to coal beginning in June, 1985. In addition, to bring Unit 1 back on line, a coal unit would have to be shut down resulting in considerable fuel differential cost to our Customers. After returning to service, the unit will be tested on coal and a new operating permit will be issued.

Therefore, as we agreed, Unit 1 will not be tested on oil unless the unit returns to service for five consecutive days. Tampa Electric Company will notify you and the Hillsborough County Environmental Protection Agency of the emissions test if the unit does return to service for five consecutive days. In either case, an emission test will be performed on Unit 1 after its reconversion to coal as required.

If you have any questions on this matter, please feel free to contact me.

Sincerely,

A. Spencer Autry
Manager
Environmental Planning

ASA/jbj/045/2

cc: Iwan Choronenko (HCEPC)

TAMPA ELECTRIC COMPANY
P.O. Box 111 Tampa, Florida 33601 (813) 228-4111

BEST AVAILABLE COPY

SOURCE INSPECTION REPORT FORM FOR AIR POLLUTANT EMISSION SOURCES

1. Facility Name TECO - GANNON		2. District <input type="checkbox"/>		Office <input type="checkbox"/>		County 29		Facility 0040		Source 01				
3. Source Description POWER PLANT				4. Permit/PPS Number				5. Expiration Date						
6. Reason for Inspection COMPLAINT/COMPLAINT			7. Current Audit Date 4-3-85		8. Current Audit Type III		9. Reserved							
10. Source Regulations			NSPS		NESHAP		111(d)		PSD		NAA NSR		RACT	
11. Product/Production Information														
UNIT #1 = DOWN JUNE / COAL CONVERSION UNIT #2 = BEING CONVERTED TO COAL UNIT #3 = 120 MW UNIT #4 = 165 MW UNIT #5 = 220 MW UNIT #6 = 380 MW														
12. Operating/Process Parameters Data														
UNIT #1 = DOWN 1575 1575 UNIT #2 = DOWN 1575 1575 UNIT #3 = 755K #/HR STEAM (FILE OUT) 4029- 2444 UNIT #4 = 1.2 M ³ /HR STEAM UNIT #5 = 1.4 M ³ /HR STEAM UNIT #6 = 2.5 M ³ /HR STEAM 47727														
13. Control Equipment Status														
SOME LEAK IN #6 DUCT TO ESP FROM BOILER														
14. Operation and Maintenance Conditions/Records														
PLANT IN REASONABLE CONDITION														
15. Compliance Test Information									15a. Samples Taken					
N/A									15b. VE Avg.					
									Normal		Exception			
									15c. Mass Emissions Test					
15d. Test performed by: CONTACT: NEIL OAKES JAN KRAMINSKI (ESP SPECIALIST)					15e. Test Team Type			15f. Other						
16. Compliance Status Summary									16a. CMST					
IN COMPLIANCE WITH RULES & REGULATIONS														
									16b. Reserved					
17. Applicable Regulations						17a. Regulations Violated								
18. Attachments														
NEDS 01, 02, 03, 04, 05, 06														
19. DER/Local Representative's signature									20. Date					
Michael D. Wright / CARLOS GONZALEZ									4-3-85					

OVER
11

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: The Files

THRU: Dan Williams

FROM: Bob Garrett

DATE: January 25, 1982

SUBJECT: RACT Applications from TECO, Gannon Station, (6) Permits,
Hillsborough County, A/P

Tampa Electric Company has applied for renewal of the following permits to establish RACT compliance.

Unit	Old Permit	New Permit
1. No. 1*	A029-7136	A029-47731
2. No. 2*	A029-15953	A029-47730
3. No. 3*	A029-12940	A029-47729
4. No. 4*	A029-27657	A029-47735
5. No. 5	A029-7102	A029-47728
6. No. 6	A029-12601	A029-47727

*Being converted to coal fired - operation permit is for present oil fired.

FAC 17-2.650 establishes criteria for heavy polluters in Para. (2)(c)2 as 0.1 lbs. TSP/million BTU heat input for fossil fuel steam generators greater than 30 MMBTU/hr. and visible emissions not to exceed 20% opacity. In addition detail information is required by rule pertaining to operation, control devices, and maintenance procedures as part of the permit.

A last minute extension was obtained from TECO to allow both the company and the Department time for more refined information. General questions were answered but no specific numbers for operating parameters were given.

I recommend we issue these permits, accordingly, with an expiration date of January 25, 1987.