

Jeb Bush
Governor

Department of Environmental Protection

Panama City Branch Office

2353 Jenks Avenue

Panama City, FL 32405

Phone: (850)-872-4375

Fax: (850) 872-7790

David B. Struhs
Secretary

December 11, 2000

RECEIVED

DEC 14 2000

Mr. James Vick, Supervisor of Environmental Affairs
Gulf Power Company
One Energy Place
Pensacola, Florida 32520

**WASTEWATER COMPLIANCE
EVALUATION SECTION**

RE: INDUSTRIAL WASTEWATER TREATMENT INSPECTION

Facility: Scholz Electric Generation Plant

County: Jackson (32)

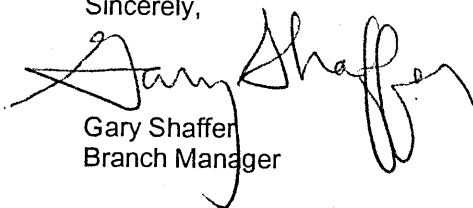
Dear Mr. Vick:

On October 24, 2000, a Department representative conducted a compliance evaluation inspection of the Scholz Electric Power Generation Plant. The Department would like to thank Mr. Joe Nesse, and Mr. Kenny Peacock for their assistance during the inspection.

Please note the "Inspection Comments" outlined on the attached inspection report form.

If you have any questions, please contact Steven Kelly at (850) 872-4375 extension 107 or by e-mail at Steven.Kelly@dep.state.fl.us.

Sincerely,


Gary Shaffer
Branch Manager

GLS/SK

Attach: 10/24/00 Inspection Report

cc: Greg Smith -FDEP/PEN

Mike Tanski-FDEP/PEN

Permit # _____ File _____
FLOO _____ Folder _____ Type _____

Permittee _____

INITIAL & ROUTE							

District cc: _____

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

WASTEWATER COMPLIANCE INSPECTION REPORT

FACILITY AND INSPECTION INFORMATION

@ = Optional

Name and Physical Location of Facility Scholz Electric Generation Plant 1460 Gulf Power Road Sneads, Florida 32460	WAFR ID: FL0002283	County Jackson (32) Phone (850) 593-6421	Entry Date/Time 10/24/00 @ Exit Date/Time 10/24/00
Name(s) of Field Representatives(s) Mr. Joe Neese Kenny Peacock	Title Environmental Affairs Specialist Plant Operator	Phone (850) 444-6429 (850) 593-6421	
Name and Address of Permittee or Designated Representative Gulf Power Company c/o Mr. James O. Vick, Manager of Environmental Affairs One Energy Place, Pensacola, Florida 32520-0328	Title Manager of Envir. Affairs	Phone (850) 444-6700	@ Operator Certification # N/A

Inspection Type	☐ C ☐ E ☐ I	Samples Taken(Y/N): No	@ Sample ID#: N/A	Samples Split (Y/N): No
☐ Domestic ☒ Industrial	Were Photos Taken(Y/N): No	@ Log book Volume : Volume III	@ Page 48-49	

FACILITY COMPLIANCE AREAS EVALUATED

S=Satisfactory; M=Minor; U=Unsatisfactory; Blank=Not Evaluated

Unsatisfactory Ratings in Areas Marked by a "Diamond (♦)" Will Always put the Facility Status in Significant Non-Compliance

PERMIT ORDERS	SEE AND VERIFYING PROGRAM	FACILITY OPERATIONS	WASTE TREATMENT/ DISPOSAL
S 1. ♦ Permit	3. Laboratory	S 6. Facility Site Review	9. ♦ Effluent
2. ♦ Compliance Schedules	S 4. Sampling	7. Flow Measurement	S 10. ♦ Disposal
	U 5. ♦ Records & Reports	S 8. ♦ Operation & Maintenance	11. Residuals Management
13. Other:			12. Groundwater

Facility and/or Order Compliance Status: ☐ In-Compliance ☒ Out-Of-Compliance ☐ Significant-Out-Of-Compliance
Recommended Actions See Attached Inspection Report

Name(s) and Signature(s) of Inspector(s) Steven Kelly <i>Steven Kelly</i>	District Office/Phone Number PCBO/NWD (850) 872-4375	Date 12/11/00
@ Signature of Reviewer Henry Hernandez <i>Henry Hernandez</i>	District Office/Phone Number PCBO/NWD (850) 872-4375	Date 12-11-00

Fill Out This Section For All Surface Water Discharger Inspections (CEI, CSI, CBI, PAI, XSI, RI)

Transaction Code	NPDES Number	YR/MO/DA	Insp Type	Inspector	Fac Type
N 5 F L 0 0 0 2 2 8 3	0 0 1 0 2 4	1 C	S	2	

ADDITIONAL NPDES COMMENTS

Inspection Type (Field 1): A=PAI, B=CBI, C=CEI, S=CSI, X=XSI, R=RI
Inspection Code (Field 2): S=State, J=Joint EPA/State-EPA Lead, T=Joint State/EPA-State Lead, L=Local Program
Facility Type (Field 3): 1=Municipal (Publicly Owned), 2=Industrial and Privately Owned Domestic, 3=Agricultural, 4=Federal
Every other field is self explanatory

INSPECTION COMMENTS

PERMITS/ORDERS

1. **PERMIT:** *Satisfactory.*

Permit Number: FL002283

Date Issued: April 13, 1999

Expiration Date: April 12, 2004

*Modified: Permit Revision (Minor) November 19, 2000

FDEP Permit Number FL0002283 was issued on April 13, 1999, for the operation of a two-unit steam turbine electric generating station with effluent discharge to the Apalachicola River. The Permit was revised by letter dated November 19, 1999, to allow the use of hydrazine as an oxygen scavenger and ammonia for pH adjustment in the boiler-water-feed system.

The discharge streams include wastewater from the boiler blow down, air preheater and precipitator wash, bottom ash, coal pile runoff sumps, and other minor process streams that are discharged into the ash pond. An extended aeration wastewater treatment facility treats the domestic wastes generated by the facility. The discharge streams are described as follows:

Outfall D-01: "Combined Plant Discharge" (Discharges to an 850-foot canal to the Apalachicola River (Class III Fresh Water)

Outfall I-1C: "Ash Pond Discharge" (Also collects ash sluice waste, coal pile runoff, and other low volume wastewaters)

Outfall I-1A: "Treated Domestic Wastewater" (An internal outfall that discharges to the ash pond)

A copy of the Permit was on-site and available to plant personnel. The facility is operated in accordance with the description in the Permit.

2. **COMPLIANCE SCHEDULE:** Not Evaluated.

SELF-MONITORING PROGRAM

3. **LABORATORY:** Not Evaluated.

4. **SAMPLING:** Satisfactory. *Please note the comments below.

Deficiency:

A review of the laboratory bench sheets revealed that the effluent compliance samples for copper and lead in July 2000 were analyzed using the wrong method. FDEP Permit Number FL0002283 Part B 1. requires that copper and lead samples be analyzed using EPA Method 220.2 and 239.2 respectively.

Corrective Action:

The facility re-sampled the plant intake and effluent discharge for copper and lead on November 15, 2000. Both parameters were analyzed using the proper method required by FDEP Permit Number FL0002283.

Please review the approved analytical methods required by FDEP Permit Number FL0002283 Part B 1.

5. RECORDS AND REPORTS: Unsatisfactory.

(A). A review of the Discharge Monitoring Reports for the last twelve months (September 2000-October 1999) revealed the following:

The facility exceeded the permitted limitation for copper in July 2000 at the Combined Plant Discharge Outfall D01. The copper concentration at the discharge canal was reported as 0.13 ug/l. The facility reported that the low levels in the Apalachicola River resulted in higher velocities in the discharge canal, which may have caused more solids to be picked up in the sample.

Recommended Corrective Action:

Continue to work with the FDEP Northwest District staff in Pensacola to resolve the non-compliance issues related to the copper excursions in Outfall D01.

FACILITY OPERATIONS:

6. FACILITY SITE REVIEW: Satisfactory *(Please note the recommended corrective actions below)

- A. Uncontrolled runoff from the coal storage area was not observed.
- B. Evidence of possible lateral seepage from the ash pond was observed near the northwest coal-yard-sump pumping station. (This area is located near gate 7.) The ground near the station was saturated and a dry braided stream pattern was observed flowing from the toe of the ash pond. The seepage did not appear to result in a discharge to waters of the state.

FDEP Permit Number FL002283 Part I B. "Other Limitations and Monitoring Requirements" #11 states:

"The permittee shall periodically survey all ash pond dikes and toe areas for structural integrity. Not later than December 31, 1998, and annually thereafter, the permittee shall certify that no breaches or structural defects resulting in the discharges to surface waters of the State were observed during the previous calendar year. In the event that such defect(s) exists and results in potential discharge to surface waters of the State, the permittee shall notify the Department within fifteen (15) days of becoming aware of the situation and provide a proposed course of corrective action and implementation schedule."

Recommended Corrective Actions:

- 1. Evaluate the entire ash pond for structural defects in accordance with the permit. The annual certification report should provide reasonable assurance that the area near coal-yard-sump is structurally sound.
- 2. Continue to monitor the area near the coal-yard-sump pumping station for structural defects in the ash pond. Notify the Department in accordance with the Permit if structural defects are found.

7. FLOW MEASUREMENT: Not Applicable.

8. OPERATION AND MAINTENANCE: Satisfactory

The facility is operated in accordance with the description in the permit. No problems or deficiencies were observed.

EFFLUENT/DISPOSAL

9. EFFLUENT: Not Evaluated.

*(The facility does not have a permitted limitation for the discharge temperature. Therefore, grab samples for temperature were not taken.)

10. **DISPOSAL:** Satisfactory.

A visible oil sheen or excessive floating solids were not observed in the main discharge canal. Evidence of toxicity to fish or wildlife was not observed.

11. **RESIDUALS MANAGEMENT:** Not Applicable.

12. **GROUNDWATER:** Not Evaluated.

OTHER: N/A