

Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary
Robert Kriegel, Deputy Assistant Secretary

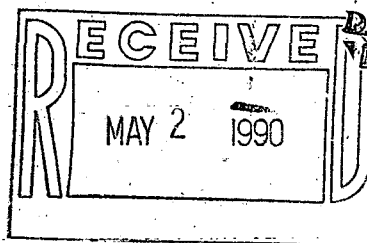
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District cc:

Mr. George Layman
Gulf Power Company
Post Office Box 1151
Pensacola, Florida 32520-1151

Dear Mr. Layman:



On March 28 a compliance sampling inspection was conducted at the Scholz Electric Generating Plant wastewater treatment facility. An inspection report is attached for your information. At the time of the inspection, the facility's intake and discharge canals were at flood stage. Records and the self-monitoring program were found to be satisfactory. Samples were collected during the inspection. The Department's results will follow in a separate letter.

A review of the last 12 months of discharge monitoring reports indicate levels of selenium and arsenic in the ash pond in excess of State surface water criteria. Also, the December 1989 groundwater monitoring report for compliance monitoring well 112 showed gross alpha and gross beta excursions. I would appreciate your providing an explanation and, if possible, corrective measures for the above excursions within 15 days receipt of this letter.

Thank you and your staff for the cooperation extended to Ms. Karen Brown during the inspection. If you have any questions, please do not hesitate to call Mr. Rick Bradburn at (904) 436-8380.

Sincerely,

Bobby A. Cooley, P.E.
Program Administrator
Water Facilities

BAC/kbm

cc: Richard Drew, DER
Pete McGarry, EPA ✓



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

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Interoffice Memorandum

TO : File

THROUGH: Rick Bradburn *RB*

FROM : Karen Brown *KTB*

DATE : March 28, 1990

SUBJECT: Compliance Sampling Inspection (CSI) at Gulf Power Scholz Plant

On March 28, I conducted a CSI at Gulf Power Scholz Plant in Jackson County. The purpose of the inspection was to collect effluent samples, visually inspect the wastewater treatment system and review laboratory records. Gulf Power representatives were Raymond Walden, Laboratory Supervisor, Mike Oaks and Rachel Allen, both Environmental Affairs Specialists, and Mary Kirkland, Sampler.

Samples were collected by Gulf Power personnel and myself. Samples were collected at the main plant discharge, intake, ash pond and sanitary treatment plant. Gulf Power contracts Water Spigot to sample the sanitary treatment plant. Mr. Lou Bush of Water Spigot collected samples during the CSI.

Gulf Power properly collected samples in the required containers. Samples were preserved (chemically and refrigerated) immediately upon sample collection or at least within half hour of sampling.

Gulf Power contracts several laboratories to meet monitoring requirements. Savannah laboratory in Mobile analyzes oil, grease and metals in the effluent samples. Pioneer laboratory samples all monitoring wells and performs all analyses of the well samples except radionuclides. Pioneer Laboratory sub-contracts radionuclide analysis. Water Spigot collects and analyzes the effluent samples at the sanitary treatment plant for biological oxygen demand (BOD), fecal coliform and total suspended solids (TSS). Gulf Power's laboratory analyzes pH, temperature and total residual chlorine (TRC).

During the CSI the main plant discharge, intake and ash pond were observed. The ash pond has a new skimmer, which is level. Due to heavy rains on March 15 and 16, the intake and discharge canals were flooded.

A composite sample was collected at the ash pond for TSS. The autosampler was started at 10:00 a.m. on March 27 and ended at 10:00 a.m. March 28. The autosampler was filled with ice. The autosampler collects approximately 125ml of sample every hour.

At the main plant discharge, Gulf Power has discontinued analyzing TRC because it is no longer chlorinating the cooling water. Chlorination is still being performed at the sanitary treatment plant.

A review of Gulf Power's laboratory records revealed that the laboratory maintains adequate records for pH, temperature and flow measurements. Some sample results were verified from the discharge monitoring reports (DMR).

Ms. Kirkland took a staff gauge reading at the ash pond's "V" notch weir. The result was within +/-10% of the flowmeter reading.

DMRs from April 1989 and February 1990 were reviewed. Deficiencies were noted for arsenic and selenium at the ash pond. Selenium was exceeded in January 1990. Arsenic was exceeded April 1989, October 1989 and January 1990.

Quarterly groundwater monitoring reports from May 1989 to December 1989 were reviewed. The compliance wells continue to exhibit iron and manganese results above secondary drinking water standards. (Note, Scholz Generating Plant is exempt from secondary drinking water standards.) The August sampling of compliance monitoring well 110A showed a cadmium excursion. The resampling did not verify cadmium present. Compliance monitoring well 112 showed gross alpha and gross beta excursions.

The results from the sampling effort will follow this memorandum. Metal samples were shipped to Tallahassee.

KB/kbc

NPDES Compliance Inspection Report

Section A: National Data System Coding

[illegible]

Section B: Facility Data

Name and Location of Facility Inspected		Entry Time ☒ AM ☐ PM	Permit Effective Date
Gulf Power Scholz Generating Plant		10:45	11-1-84
County 271 off U.S. 90		Exit Time/Date	Permit Expiration Date
Sneads, Florida		2:00pm 3-28-90	10-31-89
Name(s) of On-Site Representative(s)	Title(s)	Phone No(s)	
Raymond Walden	Laboratory Supervisor		
Mike Oaks	Environmental Affairs Specialist		
Rachel Allen	Environmental Affairs Specialist	904-444-6429	
Name, Address of Responsible Official	Title		
George Layman			
P.O. Box 1151	Phone No.		
Pensacola, FL 32520-1151	444-6429		Contacted ☐ Yes ☒ No

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

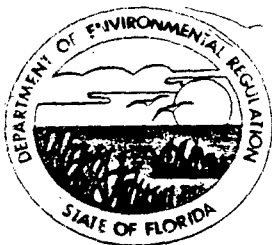
S	Permit	S	Flow Measurement	N	Pretreatment	S	Operations & Maintenance
S	Records/Reports	S	Laboratory	S	Compliance Schedules	N	Sludge Disposal
M	Facility Site Review		Effluent/Receiving Waters	S	Self-Monitoring Program		Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

On March 28, 1990, a compliance sampling inspection was conducted at the Scholz Generating wastewater treatment facility. The facility was given a satisfactory rating. At the time of the inspection, the Apalachicola River was at flood stage.

See attached cover letter and inspection report. The sample results will follow in a separate letter.

Name(s) and Signature(s) of Inspector(s) Karen T. Brown <i>Karen T. Brown</i>		Agency/Office/Telephone DER/Pensacola/ 904-436-8380	Date 3-28-90
Signature of Reviewer		Agency/Office	Date
Regulatory Office Use Only			
Action Taken		Date	Compliance Status ☐ Noncompliance ☐ Compliance



Florida Department of Environmental Regulation

Northwest District • 160 Governmental Center • Pensacola, Florida 32501-5794 • 904-436-8300

Bob Martinez, Governor

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John Shearer, Assistant Secretary

Robert Krieger, Deputy Assistant Secretary

JUN 20 1990

JUN 18 1990

Mr. George Layman
Gulf Power Company
500 Bayfront Parkway
Post Office Box 1151
Pensacola, Florida 32520-1151

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Dear Mr. Layman:

District cc:

The Department's results for the compliance sampling inspections at the Crist, Lansing Smith and Scholz Generating Plant wastewater treatment facilities on March 7, March 21 and March 28, respectively, are as follows:

Parameter	Crist			Lansing Smith		Scholz		
	Intake	Ash Pond	001	Intake	001	Intake	Ash Pond	001
O & G; mg/l	-	-	<5	-	<5	<5	<5	<5
TSS; mg/l	6	10	<5	-	-	-	<5	20
Arsenic; ug/l	<2	2.4	<2	<5	<5	<2	33	<2
Cadmium; ug/l	<0.2	1.6	0.3	<0.2	0.4	<0.2	<0.2	<0.2
Chromium; ug/l	<10	<10	<10	<10	<10	<10	<10	<10
Copper; ug/l	<5	30	<5	<7	<5	<5	<5	<5
Iron; ug/l	1270	3670	1640	164	86	1060	58	999
Lead; ug/l	<1	3	2	2	2	3	2	4
Mercury; ug/l	0.49	0.63	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel; ug/l	<5	20	<5	<5	<5	<5	<5	<5
Selenium; ug/l	<5	<5	<5	<3	<3	<5	<5	<5
Zinc; ug/l	41	28	8	6	5	7	3	4

The sample results show good agreement between the Department and Gulf Power's results submitted April 20, 1990. The results are in compliance with permit limits. Note, the high mercury values at Crist intake and ash pond.

If you have any questions, please call Mr. Rick Bradburn at (904)436-8380.

Sincerely,

Bobby A. Cooley

Bobby A. Cooley, P.E.
Program Administrator
Water Facilities

BAC/kbw

cc: Pete McGarry, EPA

Richard Drew, DER