

APR 19 1984

REF: 4WM-FP

Mr. George O. Layman
Director of Power Supply
Gulf Power Company
P. O. Box 1151
Pensacola, Florida 32520

RE: Lansing Smith Electric Generating Plant - NPDES No. FL0002267
Scholz Electric Generating Plant - NPDES No. FL0002283
Crist Electric Generating Plant - NPDES No. FL0002275

Dear Mr. Layman:

Enclosed are the draft NPDES permits for the Crist, Lansing Smith, and Scholz Electric Generating Plants. These permits have been revised from the last version, which went to public notice last fall.

Please provide comments on these permits by May 1, 1984. If you have any questions, feel free to contact Mr. Charles Kaplan at (404) 881-2156 or Jim Newton at (404) 881-3012.

Sincerely yours,

Robert F. McGhee, Chief
South Area Permits Unit
Facilities Performance Branch
Water Management Division

Enclosure

JNewton:bw:4-10-84:Wang 28590



Permit No: FL0002283

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
345 COURTLAND STREET
ATLANTA, GEORGIA 30365

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended (33 U.S.C. 1251 et. seq; the "Act"),

Gulf Power Company
P. O. Box 1151
Pensacola, Florida 32520

is authorized to discharge from a facility located at

Scholz Electric Generating Plant
County 271 off U.S. 90
Chattahoochee, Florida 32324

to receiving waters named

Apalachicola River

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in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof. The permit consists of this cover sheet, Part I 5 page(s), Part II 15 page(s) and Part III 1 page(s).

This permit shall become effective on

This permit and the authorization to discharge shall expire at midnight,

Date Signed

Paul J. Traina, Director
Water Management Division

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the term of this permit, the permittee is authorized to discharge from outfall(s) serial number(s) 001 - Once through cooling water.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	<u>Daily Average</u>	<u>Instantaneous Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow, M ³ /Day (MGD)	-	Maximum	Hourly	Pump Logs
Discharge Temperature °C(°F)	N/A	N/A	4/Day	Instantaneous
Intake Temperature °C(°F)	N/A	N/A	4/Day	Instantaneous
Heavy Metals	-	-	See Below	Grab
Total Residual Chlorine, mg/l (TRC) <u>1/</u>	-	0.2	1/Week during periods of chlorination	Multiple Grabs throughout periods of chlorine discharge
Time of Addition minutes/day/unit	-	120	Daily	Logs

Monitoring for arsenic, chromium, copper, iron, lead and mercury 1/quarter, and cadmium, nickel, selenium and zinc 1/year.

TRC shall not be discharged for more than 4 hours per day. The amount of chlorine added during each period of chlorination shall be reported to the Director, Water Management Division.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): intake temperature at the condenser inlet, discharge temperature and TRC at the discharge structure and heavy metals 200 feet downstream of the confluence of the ash pond discharge and the cooling water discharge but prior to the confluence of the discharge canal and the Apalachicola River.

- 1/ Before July 1, 1984 (see Part I.B.1), free available chlorine may be discharged with the following limitations 0.2 mg/l daily average and 0.5 mg/l daily maximum. Before July 1, 1984, TRC limitations and monitoring requirements shall not apply.

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PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the term of this permit, the permittee is authorized to discharge from outfall(s) serial number(s) 002 - Ash pond.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow, M ³ /Day (MGD)	-	-	1/Week	Weir Elevation
Oil and Grease, mg/l	15 7 mg/l	20 15 mg/l	1/2 Week <u>1</u> /	Grab
Total Suspended Solids, mg/l	30 mg/l	80 90 mg/l	1/Week <u>1</u> /	Composite

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/week by grab.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): nearest accessible point after final treatment but prior to actual discharge or mixing with other waste streams.

- 1/ Additional samples shall be collected during or after periods of heavy rainfall (two inches per day) at the time of expected maximum discharge rate. This sampling shall continue for a period of at least one (1) year after which time the permittee may request a reduction in the frequency of or elimination of this additional monitoring.

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PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the term of this permit, the permittee is authorized to discharge from outfall(s) serial number(s) 003 - Metal cleaning wastes.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow, M ³ /Day (MGD)	-	-	Batch Total	Calculation
Total Copper, mg/l	1.0	1.0	8/Batch <u>1</u> /	Grab
Total Iron, mg/l	1.0	1.0	8/Batch <u>1</u> /	Grab

Metal cleaning wastes shall mean any chemical cleaning compounds, rinse waters, or any other waterborne residues derived from chemical cleaning any metal process equipment including, but not limited to, boiler tube cleaning, boiler fireside cleaning and air preheater cleaning.

The pH shall not be less than N/A standard units nor greater than N/A standard units and shall be monitored 1/month by grab.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): nearest accessible point after metal cleaning waste treatment but prior to mixing with ash pond.

- 1/ One sample collected immediately after start of discharge to ash pond, one sample immediately before termination of discharge and six samples collected at approximately equal times between.

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PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the term of this permit, the permittee is authorized to discharge from outfall(s) serial number(s) 004 - Sanitary wastes.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow, M ³ /Day (MGD)	-	-	Daily	Representative
Biochemical Oxygen Demand (5-day), mg/l	30	60	1/Quarter	Grab
Total Suspended Solids, mg/l	30	60	1/Quarter	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): nearest accessible point after final treatment but prior to actual discharge or mixing with the receiving waters.

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B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule.

a. Compliance with total residual chlorine (TRC) limitations
(OSN 001) - 7/1/84

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.

* Notification shall be provided and scheduling expedited should it become evident that dechlorination facilities will be required.

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OTHER REQUIREMENTS

- A. There shall be no discharge of polychlorinated biphenyl compounds (PCB) such as those commonly used for transformer fluid.
- B. The company shall notify the Regional Administrator in writing not later than ninety (90) days prior to instituting use of any additional biocide or chemical other than chlorine, which may be toxic to aquatic life. Such notification shall include:
 - 1. Name and general composition of biocide or chemical.
 - 2. Frequency of use.
 - 3. Quantities used.
 - 4. EPA registration number.
- C. If an applicable standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in this permit or controls a pollutant not limited in this permit, this permit shall be promptly modified or revoked and reissued to conform to that effluent standard or limitation.
- D. The State of Florida Department of Environmental Regulation has certified the discharge(s) covered by this permit with conditions (attached). Section 401 of the Act requires that conditions of certification shall become a condition of the permit. The monitoring and sampling shall be as indicated for those parameters included in the certification. Any effluent limits, and any additional requirements, specified in the attached state certification which are more stringent supersedes any less stringent effluent limits provided herein. During any time period in which the more stringent state certification effluent limits are stayed or inoperable, the effluent limits provided herein shall be in effect and fully enforceable. (Note: Certification will be attached prior to permit issuance.)
- E. Discharge of uncontaminated stormwater and intake screen backwash water is permitted without limitations or monitoring requirements.

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