



Lawton Chiles
Governor

Florida Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

JUL 22 1993

Mr. M. Lane Gilchrist
Manager of Fuel & Environmental Affairs
Gulf Power Company
Post Office Box 11512
Pensacola, Florida 32520-1151

Dear Mr. Gilchrist:

In response to your request, Permit Number IO32-189371 for Scholz Electric Generating Plant is modified as follows:

Delete:

Specific Conditions 28 and 29 are deleted.

Add:

28. Bioassay monitoring of the effluent (Outfall 001) shall be performed one time per year during the months of June, July or August and shall coincide with the required biological test of Specific Condition 29 of this permit. The bioassay shall be performed in accordance with Attachment 1 to this permit.

29. The permittee shall conduct biological integrity testing on the receiving water body, the Apalachicola River. The focus of the investigation will be to determine the effect of the discharge on the receiving water body. Sampling methodology shall conform to protocols outlined in Florida Administrative Code Rule 17-302. At least one set of samples shall be collected, above and below the outfall, using three replicates of Hester-Dendy samples. Samples shall be collected during the month of August each year and the final report shall be submitted 120 days following sampling.

This letter shall be attached to and become a part of Permit Number IO32-189371.

Sincerely,

Bobby A. Cooley
District Director

BAC:tmv

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

In the matter of an
Application for Permit
By:

M. Lane Gilchrist
Manager of Fuel and
Environmental Affairs
Gulf Power Company
P. O. Box 1151
Pensacola, Florida 32520-1151

DER File No. IO32-189371
Jackson County

Enclosed is Permit Number IO32--189371 to operate the
Scholz Electric Generating Plant, issued pursuant to Section
403.087, Florida Statutes.

Any party to this Order (permit) has the right to seek
judicial review of the permit pursuant to Section 120.68,
Florida Statutes, by the filing of a Notice of Appeal pursuant
to Rule 9.110, Florida Rules of Appellate Procedure, with the
Clerk of the Department in the Office of General Counsel, 2600
Blair Stone Road, Tallahassee, Florida 32399-2400, and by
filing a copy of the Notice of Appeal accompanied by the
applicable filing fees with the appropriate District Court of
Appeal. The Notice of Appeal must be filed within 30 days from
the date this Notice is filed with the Clerk of the Department.

Executed in Pensacola, Florida.

State of Florida Department
of Environmental Regulation


BOBBY A. COOLEY
District Director

160 Governmental Center
Pensacola, Florida 32501-5794
(904) 436-8300

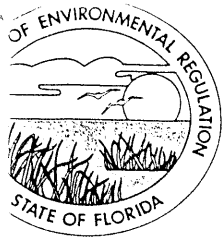
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on March 16, 1993 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED,
on this date, pursuant to §120.52(11),
Florida Statutes, with the designated
Department clerk, receipt of which is
hereby acknowledged.

Victoria A. Fenton March 16, 1993
Clerk Date

Copies furnished to:
Lori Handelsman, Esq.



Florida Department of Environmental Regulation

Northwest District

• 160 Governmental Center •

Pensacola, Florida 32501-5794

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue: **MAR 16 1993**

Expiration Date: March 1, 1995

County: Jackson

Latitude/Longitude: 30°40'08"N/84°53'13"W

Section/Township/Range: 12/3N/7W

Project: Scholz Electric Generating Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-4 and 17-660. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Operation of a two-unit steam turbine electric generating station with wastewater discharges into the Apalachicola River. Wastewater from boiler blowdown, air preheater and precipitator wash, bottom ash, fly ash and pyrites sluice, coal pile and yard runoff sumps, and other minor process streams are discharged into an ash pond. Sanitary wastes are pre-treated by an aerobic package plant. Ash pond discharge, sanitary plant effluent, main yard sumps overflow and main condenser cooling water are discharged into the river through a 850 foot-long canal. Switch yard runoff sumps discharge into the plant intake canal and overland east of the yard.

This facility is located at the end of County Road 271, southeast of Sneads.

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue:

MAR 16 1993

Expiration Date: March 1, 1995

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue:

MAR 16 1993

Expiration Date: March 1, 1995

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of this permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue:

MAR 16 1993

Expiration Date: March 1, 1995

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-730.300, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue: **MAR 16 1993**

Expiration Date: March 1, 1995

GENERAL CONDITIONS:

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

15. Operation of the wastewater facilities shall be under the fulltime supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control.

16. All analyses and reports on the monitoring of water quality required by this permit shall be submitted to the Northwest District Office, Department of Environmental Regulation, 160 Governmental Center, Pensacola, Florida 32501-5794 within 28 days after the specified reporting period.

17. Solids, sludges, waste, or other pollutants removed in the course of construction, treatment, or control of effluent shall be disposed of in such a manner so as to prevent said materials from entering waters of the State.

18. Polychlorinated biphenyl compounds such as those commonly used for transformer fluid are specifically prohibited in the discharge.

19. Sampling, monitoring and effluent limitations for this facility are as follows:

A. Cooling Water Intake

<u>Parameters</u>	<u>Frequency</u>	<u>Type of Sample</u>	<u>Limitation</u>
Temperature	4/day	digital readout	N/A
Hardness	Quarterly	24 Hr. Composite	N/A

B. Main Plant Discharge Canal (Outfall 001)*

<u>Parameters</u>	<u>Frequency</u>	<u>Type of Sample</u>	<u>Limitation</u>
Flow (MGD)	---	calculated	N/A
Temperature	4/day	digital readout	N/A
Fecal Coliform	1/quarter	grab	Less than 200/100 ml (annual avg.) Less than 800/100 ml on any one day

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue: **MAR 16 1993**

Expiration Date: March 1, 1995

SPECIFIC CONDITIONS:

<u>Parameters</u>	<u>Frequency</u>	<u>Type of Sample</u>	<u>Limitation</u>
Total Chlorine			
Residual	weekly	grab	0.01 mg/l (max.)****
pH	weekly	grab	6.0 (min.)
			8.5 (max.)
Arsenic	once/quarter	24 Hr. Composite	***
Cadmium	once/year	24 Hr. Composite	***
Chromium	once/quarter	24 Hr. Composite	***
Copper	once/quarter	24 Hr. Composite	***
Iron	once/quarter	24 Hr. Composite	***
Lead	once/quarter	24 Hr. Composite	***
Mercury	once/quarter	24 Hr. Composite	***
Nickel	once/year	24 Hr. Composite	***
Selenium	once/year	24 Hr. Composite	***
Zinc	once/year	24 Hr. Composite	***
Oil & Grease	once/quarter	24 Hr. Composite	5.0 mg/l
Gross Alpha	once/quarter	24 Hr. Composite	***
Radium (226&228)	once/quarter	24 Hr. Composite	***

* Sampling location shall be approximately 200 feet downstream from the ash pond discharge prior to the confluence of the canal and the Apalachicola River.

** Samples for fecal coliform shall not be taken on the same day that chlorine is being introduced to the condenser cooling water intake

*** The Class III water quality standard set forth in F.A.C. Rule 17-302.530, or the value of the intake stream, whichever is greater. If the outfall 001 sample exceeds the limitation, the metal and gross alpha concentration of a minimum of five (5) additional samples shall be taken and analyzed, and a "student's t-test" shall be run on these additional samples comparing the intake and discharge concentrations; unless the discharge concentration exceeds the intake concentration at the 95% confidence level, the facility shall be in compliance with the limitation.

**** Testing for TRC shall be conducted according to either the low-level amperometric titration method, or the DPD colorimetric method as specified in Section 4500-Cl E. or 4500-Cl G., respectively, Standard Methods for the Examination of Water and Wastewater, 17th Edition. If chlorine is not detected using one of these methods, the permittee shall report on the discharge monitoring report form, the analytical results as being measured at less than the detection level for the test method selected; the test method shall also be reported. The permittee shall then be considered in compliance with the applicable instantaneous maximum effluent limit for TRC.

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue:

MAR 16 1993

Expiration Date: March 1, 1995

SPECIFIC CONDITIONS:

C. Ash Pond Discharge (Outfall 002)*

<u>Parameters</u>	<u>Frequency</u>	<u>Type of Sample</u>	<u>Limitation</u>
Flow (MGD)	once/week	calculated	N/A
TSS	weekly	24 Hr. Composite	30 mg/l (mo. avg.) 100 mg/l (max.)
Oil & Grease	twice/month	grab	15 mg/l (mo. avg.) 20 mg/l (max.)

* Sampling location shall be the ash pond discharge weir.

D. Metal Cleaning Waste Pond Discharge (Outfall 003)*

<u>Parameters</u>	<u>Frequency</u>	<u>Type of Sample</u>	<u>Limitation</u>
Copper	1/batch	comp. of 8 aliquots	1.0 mg/l
Iron	1/batch	comp. of 8 aliquots	1.0 mg/l

* Sampling location shall be at the discharge point of any portable chemical cleaning facility prior to discharge into the ash pond.

E. Sanitary Treatment Plant Discharge (Outfall 004)*

<u>Parameters</u>	<u>Frequency</u>	<u>Type of Sample</u>	<u>Limitation</u>
BOD ₅	once/quarter	grab	20 mg/l (mo. avg.)
TSS	once/quarter	grab	20 mg/l (mo. avg.)

* Sampling location shall be at the outlet box of the sanitary sewage treatment plant.

20. The analytical results of all samples taken as a requirement of Specific Condition 19 shall be submitted on the Industrial Wastewater Monthly Operating Report.

21. Prior to 120 days following the issuance of this permit, the permittee shall submit additional information, in accordance with our meeting on August 27, 1992, required to complete an approval ground water monitoring plan.

22. Until the information provided in Specific Condition 21 is received and the Department approved the permittee's ground water monitoring plan, ground water at the facility shall be sampled and analyzed as required in Specific Condition 23 of this permit.

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: IO32-189371

Date of Issue:

MAR 16 1993

Expiration Date: March 1, 1995

SPECIFIC CONDITIONS:

23. The allowable horizontal zone of discharge into ground water for this plant shall be to the property lines or mean high water line. The vertical zone of discharge shall be from the land surface to the top of the Floridan Aquifer. Within this defined zone of discharge, the minimum criteria for ground water listed in F.A.C. Rule 17-520.400 shall apply. The standard for Class G-II ground water listed in F.A.C. Rule 17-520.420 must be met at and beyond the boundary set forth above for the zone of discharge.

24. The ground water monitoring network for this facility shall consist of the following:

Floridan Aquifer Monitoring Wells

<u>Well No.</u>	<u>Designation</u>	<u>Location</u>
WSW-2	Compliance	380' E of the Gypsum Stack
MW-103 ✓ 203 MD	Compliance	950' SSW of the Powerhouse
MW-104 ✓ 204 MD	Compliance	600' N of the SW Property Corner
MW-105 ✓ 205 MD	Background	2400' N of the SW Property Corner
MW-110A ✓ 210 MD	Compliance	175' S of the Powerhouse
MW-112 ✓ 212 MD	Compliance	1150' E of the SW Property Corner

Surficial Aquifer Monitoring Wells

<u>Well No.</u>	<u>Designation</u>	<u>Location</u>
MW-103A ✓ 203 S	Intermediate	950' SSW of the Powerhouse
MW-104B ✓ 204 S	Compliance	600' N of the SW Property Corner
MW-105A ✓ 205 S	Background	2400' N of the SW Property Corner
MW-110 ✓ 210 S	Intermediate	175' S of the Powerhouse
MW-112A ✓ 212 S	Compliance	1150' E of the SW Property Corner
MW-113 ✓ 213 S	Intermediate	400' NW of the Powerhouse

The Surficial Aquifer monitoring wells shall be routinely sampled depending on water availability. Lack of water in surficial wells during routine sampling shall not constitute a violation of this permit.

This network will be maintained for sampling and water levels until an amended GWMP is submitted and approved.

25. Samples for all ground water monitoring wells shall be taken, analyzed and the results submitted to the Northwest District Office. Samples shall be taken and analyzed quarterly in October, January, April and July and results submitted with the facility's Monthly Operation Report. Samples shall be analyzed for the following:

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue: **MAR 16 1993**

Expiration Date: March 1, 1995

SPECIFIC CONDITIONS:

<u>Parameters</u>	<u>Unit</u>
Water Level (field)	Ft. NGVD
pH (field)	Std. Units
Specific Conductivity (field)	Umho/cm
Aluminum	mg/l
Cadmium	mg/l
Chloride	mg/l
Chromium	mg/l
Iron	mg/l
Lead	mg/l
Manganese	mg/l
Mercury	mg/l
Nickel	mg/l
Selenium	mg/l
Sulfate	mg/l
Gross Alpha	p Ci/l

Water levels shall be recorded prior to evacuating wells or sample collection. Elevation referenced shall include the top of the wall casing and land surface at each well site (NGVD) at a precision of plus or minus 0.1 foot.

26. A purging record for each well shall be maintained. This record (log) shall be made available to Department personnel upon request. This record (log) shall include: water level; total depth of the well; volume of water in the well; volume of water removed; stabilization documentation including pH, conductivity, and temperature; time of purging; time sample is taken; and devices used for purging (including discharge rate) and sampling. An acceptable record form is attached.

27. In the event that the ground water shows a violation of the applicable quality standards, the owner shall arrange for a confirmation resampling within 15 days after receipt of laboratory results. If this resampling confirms the ground water contamination, the permittee shall arrange for a meeting with the District within 15 days and shall be prepared to discuss at this meeting a corrective action plan as set forth in F.A.C. Rule 17-522.700.

28. Bioassay monitoring of the effluent (Outfall 001) shall be performed one time per year during the months of August and shall coincide with the required biological test of Specific Condition 29 of this permit. The bioassay shall be performed in accordance with Attachment 1 to this permit.

PERMITTEE:

Gulf Power Company

I.D. Number: 1032P37371

Permit/Certification Number: 1032-189371

Date of Issue:

MAR 16 1993

Expiration Date: March 1, 1995

SPECIFIC CONDITIONS:

29. The permittee shall conduct biological integrity testing on the receiving water body, the Apalachicola River. The focus of the investigation will be to determine the effect of the discharge on the receiving water body. Sampling methodology shall conform to protocols outlined in Florida Administrative Code Rule 17-302. At least one set of samples shall be collected, above and below the outfall, using three replicates of Hester-Dendy samples. Samples shall be collected during the month of August each year and the final report shall be submitted 90 days following sampling.

30. Prior to 60 days before the expiration date of this permit, the permittee shall apply for a renewal of the permit on proper forms and in a manner prescribed by the Department.

31. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 436-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, telephone (904) 436-8380 during normal working hours.

Expiration date:

March 1, 1995

Issued this 16th day of MARCH, 1993.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


BOBBY A. COOLEY
District Director

Attachment 1 to Permit Number I032-189371

BIOMONITORING PROGRAM

1. The permittee shall conduct 96 Hour static screening toxicity test(s) on the test species Ceriodaphnia dubia and Notropis leedsi on samples of 100% whole effluent. Such static renewal screening tests will be conducted on each of four separate grab samples of effluent collected at evenly spaced (6 hour) period over a 24 hour period.

2. If control mortality exceeds 10% of either species in any test, the test(s) for the species (including the control) shall be repeated. A test will be considered valid only if control mortality does not exceed 10% for either species. If, in any separate grab sample test, 100% mortality occurs prior to the end of the test, and control mortality is less than 10% at that time, that test (including control) shall be terminated with the conclusion that the sample demonstrated unacceptable acute toxicity.

3. If any such screening tests indicates that unacceptable toxicity (less than 80% survival of test organisms in 100% effluent) is found in any sample of effluent, additional definitive acute static renewal toxicity testing involving the determination of 96-hour LC50 values with 95% confidence limits will be required. A minimum of three (3) such 96-hour additional tests are required to be conducted within 30 days from the date that any screening test indicates the presence of toxicity. Preferably, the first of these additional tests shall be initiated within seven days of a failed screening test. The second test shall be initiated at least seven days after completion of the first additional test. Such tests shall be conducted using that test species which exhibited the most toxicity in the screening tests above, and shall be taken at the same time of day and day of the week during which the greatest toxicity was exhibited.

4. All test procedures, and quality assurance criteria used shall be in accordance with Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, 4th Edition, EPA-600/4-20/027. If the test organisms specified in paragraph 1 are not available, appropriate substitutes from the list of recommended test organisms in the above referenced bioassay manuals may be used. This, and any other deviation from the standard bioassay procedures, shall be submitted to the Department for review and approval prior to use.

5. If either of the above confirmatory tests indicate that the wastewaters are being discharged in violation of F.A.C. Rule 17-302 or 17-4 toxicity limits, the permittee shall submit to the FDER a toxicity control plan and accompanying implementation schedule within 90 days of the finalization of the acute toxicity study results. The control plan shall include appropriate measures such as the establishment or re-evaluation of a pretreatment program, additional wastewater treatment, or changes in the operation of the facility to reduce the toxicity of the wastewater discharge to acceptable levels.