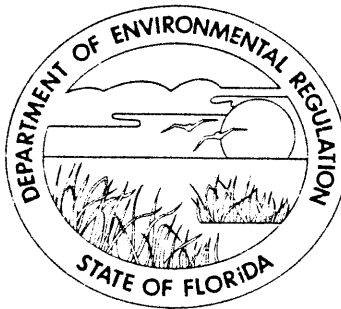


State History



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

GULF POWER COMPANY
Lansing Smith Electric Generating Plant
Bay County

OPERATION
PERMIT

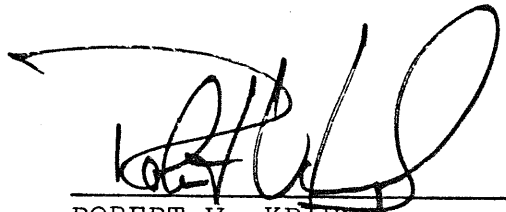
NO. 1003-104819

DATE OF ISSUANCE

FEB 13 1986

DATE OF EXPIRATION

February 1, 1991



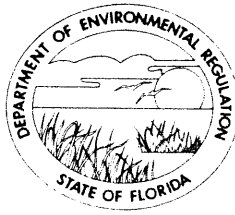
ROBERT V. KRIEGER
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEGLER
DISTRICT MANAGER

PERMITTEE:

Gulf Power Company

I.D. Number: 1003P02800

Permit/Certification Number: IO03-104819

Date of Issue: FEB 13 1986

Expiration Date: February 1, 1991

County: Bay

Latitude/Longitude: 30°15'58"N/85°15'58"W

Section/Township/Range: 36/2S/15W

Project: Lansing Smith Electric
Generating Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-3 and 17-4. 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 West Bay. Wastewater from boiler blowdown, air preheater wash, bottom ash, fly ash, and pyrites sluice, coal yard sumps, and other minor process streams are discharged into an ash pond. Overflow from the ash sluice system and main condenser cooling water are discharged into West Bay through a 10,200 foot-long canal. Main yard sump overflow discharges into the plant intake canal.

Located at the end of County Road 2300, west of Southport.

Operation shall be in accordance with the renewal application dated May 30, 1985.

PERMITTEE:
Gulf Power Company

I.D. Number: 10003P02800
Permit/Certification Number: IO03-104819
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Expiration Date: February 1, 1991

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, 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 at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or 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.

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Gulf Power Company

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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 the 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 notify and 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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Gulf Power Company

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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 17-30.30, 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 monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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

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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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

15. Operation of the wastewater facilities shall be under the full-time 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 within 28 days after the specified reporting period.

17. Any diversion from or bypass of the facilities and processes described in the terms and conditions of this permit is prohibited except (1) where unavoidable to prevent loss of life or severe property damage, or (2) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Northwest District Office of the Department by telephone to be followed with written notification where necessary of each such diversion or bypass.

18. 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. Permittee shall obtain the Department's written approval prior to disposal of these materials.

19. The permittee shall at all times operate the facilities so as to maintain maximum treatment efficiency and to minimize the quantity of discharged pollutants.

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

PERMITTEE:
Gulf Power Company

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SPECIFIC CONDITIONS:

21. The allowable zone of discharge into ground water for this plant shall be

Horizontally, to the property lines or mean high water line;

Vertically, from the land surface to the top of the Intercoastal Formation.

Within this defined zone of discharge, the minimum criteria for ground water listed in Florida Administrative Code Rule 17-3.402 shall apply. The standard for Class G-II ground water listed in Florida Administrative Code Rule 17-3.404 must be met at and beyond the boundary set forth above for the zone of discharge.

22. Eight ground water monitoring wells (MW) shall be established as indicated on the plans and/or described below under the supervision of the Northwest Florida Water Management District. The following designations shall be used for ground water monitoring identification purposes for all future reference and analyses reports:

<u>Code</u>	<u>Well No.</u>	<u>Designation</u>	<u>Location</u>
1003A11481	*WSW-1	Background	600' NW of Ash Pond
1003A11482	M-3	Compliance	500' S of Ash Pond
1003A11483	*M-4	Compliance	580' S of Ash Pond
1003A11484	M-5	Compliance	900' S of NE Property corner
1003A11485	9-3A	Intermediate	500' S of SW corner of Ash pond
1003A11486	9-9	Intermediate	400' S of SE corner of Ash pond
1003A11487	9-7	Intermediate	200' S of Ash Pond
1003A11488	9-12A	Intermediate	500' S of SW corner of Ash landfill

*Floridan Monitoring Wells

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Gulf Power Company

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SPECIFIC CONDITIONS:

23. An initial sampling of monitor wells WSW-1, M-5, 9-3A and 9-12A shall be made with analysis for the Florida Primary and Secondary Drinking Water Parameters as listed in F.A.C. Rule 17-22.104(1) and (2) except (1)(e). Initial characterization shall include any routine indicator parameters not listed therein. In accordance with F.A.C. Rule 17-4.245(6)(k) the initial characterization of parameters shall be submitted within 90 days of receipt of this permit. All sampling and analysis shall be in accordance with methods outlined in F.A.C. Rule 17-4.246.

24. Ground water monitoring wells(s) shall be sampled quarterly. Sampling and analysis shall be in accordance with the procedures identified in Florida Administrative Code Rules 17-3.401 and 17-4.246. The samples shall be analyzed for the following parameters:

<u>Storet Code</u>	<u>Parameter</u>	<u>Units</u>
400	pH (field)	STD Units
82545	Water Level (field)	Ft. NGVD
94	Specific Conductivity (field)	Umho/cm
1067	Nickel	mg/l
900210	Cadmium	mg/l
900211	Chromium	mg/l
900219	Iron	mg/l
900220	Manganese	mg/l
945	Sulfate	mg/l
70304	TDS	mg/l
1105	Aluminum	mg/l
940	Chloride	mg/l

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

25. Sampling for radionuclide analysis in accordance with F.A.C. Rule 17-22.104(1)(e) shall be reported for all wells twice a year.

<u>Storet Code</u>	<u>Parameters</u>	<u>Units</u>
1515	Gross Alpha	pCi/L
3515	Gross Beta	pCi/L

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SPECIFIC CONDITIONS:

26. In the event that ground water monitoring shows violations of the applicable ground water quality standards, the permittee shall arrange for a confirmation resampling within 15 days of receipt of laboratory results. If this resampling confirms the ground water contamination, 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 Florida Administrative Code Rule 17-4.245(7).

27. The attached form 17-1.216(2) shall be reproduced by the permittee and used for future submittals. A separate report is required for each monitoring well. All analyses and reports on the monitoring of water quality required by this permit shall be submitted to the Northwest District Office. Use the codes identified in Condition 22 as "Well Name" on this form.

28. Intake screen wash water may be discharged into the intake canal without limitations or monitoring.

29. The permittee shall apply to this office for renewal of the permit no later than December 1, 1990 in accordance with Florida Administrative Code Rule 17-4.09.

30. The permanent identification number for this facility is 1003P02800. Please cite this number on all reports and correspondence concerning this facility.

Gulf Power Company

I.D. Number 1003P02800

Permit/Certification No. I003-104819

31. The surface water discharge limitations and monitoring requirements to be reported monthly are as follows:

A. Main plant discharge canal (Serial No. 001) (Note 1)

<u>Storet Parameter</u>	<u>Discharge Limitations</u> <u>Maximum</u>	<u>Monitoring Requirements</u>	
		<u>Measurement</u> <u>Frequency</u>	<u>Type of</u> <u>Sample</u>
50053 Flow (MGD)	---	Calculations	
900223 Intake Temperature	---	At least 4/day	Recorder
900224 Discharge Temp.	---	Once/hour	Recorder
18 Temperature Rise	(Note 2)	Calculations	
50060 Total residual chlorine	(Note 3)	Once/week	Multiple Grab
400 pH (S.U.)	6.5 min/8.5 max	Once/week	Grab
556 Oil & Grease	5.0 mg/l	Once/month	Grab
900208 Arsenic	0.05 mg/l	Once/quarter	Grab
900210 Cadmium	0.005 mg/l	Once/quarter	Grab
900211 Chromium	1.0 mg/l	Once/quarter	Grab
900218 Copper	0.015 mg/l	Once/quarter	Grab
900219 Iron	0.3 mg/l	Once/quarter	Grab
900212 Lead	0.05 mg/l	Once/quarter	Grab
900213 Mercury	0.0001 mg/l	Once/quarter	Grab
1067 Nickel	100 ug/l	Once/quarter	Grab
900214 Selenium	0.025 mg/l	Once/quarter	Grab
900221 Zinc	1.0 mg/l	Once/quarter	Grab

Note (1) Sampling location shall be immediately downstream of the center of the second roadway embankment across the discharge canal downstream of the discharge structure. Use reporting code 1003X10085 for this point.

Gulf Power Company

I.D. Number 1003P02800

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- Note (2) The monthly average temperature rise shall not exceed 10°C (18°F) from April through September and 11.1°C (20°F) from October through March except in case of abnormal operating conditions, and shall not exceed 13.9°C (25°F) at any time. Abnormal operating conditions include, but are not limited to, mechanical malfunctions and system demand requirements. Permittee shall advise the District Manager whenever such conditions are expected to result in a monthly average temperature rise greater than the 18°/20° limits, and the Department may impose additional reporting and/or water sampling requirements on permittee therefor. These requirements may include 12-hr and 24-hr reports of temperature, daily thermal monitoring in West Bay, and short-term biological studies in West Bay.
- Note (3) Total residual chlorine, measured as the average of two or more samples taken during any continuous 30-minute period, shall not exceed 0.033 Mg/l. No single sample shall exceed 0.1 Mg/l. A mixing zone is granted 800 meters downstream of the sampling location.

B. Metal Cleaning Wastes (Serial No. 002) (Note 1)

<u>Storet Parameter</u>	<u>Discharge Limitations</u> <u>Maximum</u>	<u>Monitoring Requirements</u>	
		<u>Measurement Frequency</u>	<u>Type of Sample</u>
900140 Flow-Total Batch (gallons)	---	Batch	Calculated
900218 Copper	1.0 mg/l	8/Batch	Grab
900219 Iron	1.0 mg/l	8/Batch	Grab

- Note (1) Sampling location shall be the discharge from the metal cleaning waste treatment pond prior to discharge to the ash pond, except that flow of wastes from the treatment pond to the ash pond shall be determined from the ash pond discharge (or overflow area if no discharge is occurring). Use reporting code 1003X10087 for this point.

Gulf Power Company

I.D. Number 1003P02800

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C. Ash Recycle System Overflow (Serial No. 003) (Note 1)

<u>Storet Parameter</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Monthly Average</u>	<u>Maximum</u>	<u>Measurement Frequency</u>	<u>Type of Sample</u>
50053 Flow MGD	---	---	Daily	Flow totalizer
556 Oil & Grease	15 mg/l	20 mg/l	Twice/month	Grab
900201 Total Suspended Solids	30 mg/l	100 mg/l	Once/week	24 Hr. Comp.
400 pH	6.0 min/11.0 max		Once/week	Grab

Note (1) Sample location shall be the ash pond parshall flume. Use reporting code 1003X10088 for this point.

D. Main Yard Stormwater Overflow (Serial No. 004) (Note 1)

<u>Storet Parameter</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Monthly Average</u>	<u>Maximum</u>	<u>Measurement Frequency</u>	<u>Type of Sample</u>
50053 Flow	---	---		Calculations
556 Oil & Grease	15 mg/l	20 mg/l	2/event	Grab
900201 Total Suspended Solids	30 mg/&	100 mg/l	2/event	Grab

Note (1) Sampling location shall be the nearest accessible point prior to discharge. Use reporting code 1003X11480 for this point.

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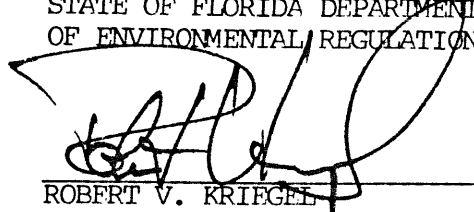
Expiration Date: February 1, 1991

Expiration Date:

February 1, 1991

Issued this 13th day of Feb,
1986.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



ROBERT V. KRIEDEL
District Manager