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April 30, 1996

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Subject: Waterford 3 SES  
Docket No. 50-382  
License No. NPF-38  
Annual Environmental Operating Report - 1995

Gentlemen:

Attached is the Annual Environmental Operating Report for the subject facility. This report is submitted pursuant to section 5.4.1 of the Environmental Protection Plan (Appendix B to the Operating License).

Should you have any questions regarding this report, please contact Jeff Thomas at (504) 739-6531.

Very truly yours,

J.J. Fisicaro  
Director  
Nuclear Safety

JJF/CJT/ssf  
Attachment

cc:

L.J. Callan (NRC Region IV), C.P. Patel (NRC-NRR),  
R.B. McGehee, N.S. Reynolds, R.H. Gibson (EPA),  
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**WATERFORD 3 1995 ANNUAL ENVIRONMENTAL OPERATING REPORT**

This report describes implementation of the Environmental Protection Plan (EPP) for the calendar year 1995, and provides the information required by the EPP.

A. Summaries and analyses of the results of the environmental protection activities required by EPP subsection 4.2:

This section of the EPP provides protection of the two cultural resources areas on the Waterford 3 site. There were no activities which affected either the Plantation Overseer's House site or the Plantation Quarter's site, both eligible for the National Register of Historic Places, during this reporting period.

B. EPP noncompliance's and the corrective actions taken to remedy them:

There were no noncompliance's with the requirements of the EPP during this reporting period.

C. A discussion of changes in station design or operation, tests, or experiments made in accordance with the EPP subsection 3.1 which involved a potential significant unreviewed environmental question:

There were no changes in station design or operation, tests, or experiments made in accordance with EPP subsection 3.1 which involved a potentially significant unreviewed environmental question.

D. Nonroutine reports submitted in accordance with subsection 5.4.2:

There were no non routine reports submitted in accordance with subsection 5.4.2 during this reporting period.

E. Changes required for compliance with other Environmental Regulations not subject to the requirements of subsection 3.1 (For Information Only):

1. Waterford 3 SES NPDES Permit No. LA0007374 was modified by the US EPA, Region VI on July 21, 1995. This modification included permission to discharge in plant effluents alternate amines and buffers utilized in the control of secondary plant chemistry, and, the elimination of monitoring for surfactants in laundry tank discharges.

2. Based upon permission from Louisiana Department of Environmental Quality and US EPA Region VI, Waterford 3 SES treated its Once Through Cooling Water for zebra mussels on September 21, 1995. Betz Clamtrol CT-2 was injected into the cooling water inlet and was neutralized by bentonite clay in the cooling water outlet. Composite samples, one taken before and one taken during the treatment episode, underwent static biomonitoring testing. Statistical analysis of survival for both testing events after a 48 hour exposure to effluent concentrations yielded a Median Lethal Concentration (LC50) of Greater Than (GT) 53% effluent for *Daphnia pulex* and *Pimephales promelas* tests. Additionally, Bio-Box testing showed a 92.5% zebra mussel mortality rate.