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CP&L

Carolina Power & Light Company

P. O. Box 165 • New Hill, N. C. 27562

R. B. RICHEY
Manager
Harris Nuclear Project

APR 30 1990

Letter Number: HO-900082 (0)

NRC-712

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SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400
LICENSE NO. NPF-63
ANNUAL ENVIRONMENTAL (NONRADIOLOGICAL) OPERATING REPORT

Gentlemen:

In accordance with Section 5.4.1 of the Environmental Protection Plan issued as Appendix B of the Operating License (NPF-63) for the Shearon Harris Nuclear Power Plant, Unit No. 1, Carolina Power and Light Company herewith submits the enclosed Annual Environmental (Nonradiological) Operating Report for 1989.

Yours very truly,



R. B. Richey, Manager
Harris Nuclear Project

MGW:dgr

Enclosure

cc: Mr. S. D. Ebnetter (NRC-RII)
Mr. J. E. Tedrow (NRC-SHNPP)

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SHEARON HARRIS NUCLEAR POWER PLANT

UNIT 1

ANNUAL ENVIRONMENTAL (NONRADIOLOGICAL) OPERATING REPORT

for

January 1, 1989 - December 31, 1989

CAROLINA POWER & LIGHT COMPANY

Docket No. 50-400

Facility Operating License No. NPF-63



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1.0 Introduction

Carolina Power & Light Company (CP&L) received a low-power Facility Operating License (No. NPF-53) and a full-power Facility Operating License (No. NPF-63) for the Shearon Harris Nuclear Power Plant, Unit 1 (SHNPP), from the U.S. Nuclear Regulatory Commission (NRC) on October 24, 1986 and January 12, 1987, respectively. Appendix B of both licenses, the Environmental Protection Plan (nonradiological), required submittal of an Annual Environmental (nonradiological) Operating Report to the NRC describing the implementation of the plan during the previous year. The purpose of this document is to fulfill that requirement for the period of January 1, 1989 through December 31, 1989.

2.0 Environmental Monitoring

[EPP Section 4.2]

2.1 Aquatic Monitoring

Under the authority of the Clean Water Act, the State of North Carolina issued a National Pollutant Discharge Elimination System (NPDES) Permit (No. NC 0039586) on July 12, 1982. This permit is in effect until the North Carolina Division of Environmental Management (NCDEM) acts upon the request for a renewal of this permit. Routine effluent monitoring was conducted and reported to NCDEM as required by the permit.

2.2 Terrestrial Monitoring

Terrestrial monitoring is not required.

2.3 Noise Monitoring

Noise monitoring is not required.

3.0 Unusual or Important Environmental Events

[EPP Section 4.1]

No occurrence of an unusual or important environmental event that would indicate or could result in a significant environmental impact causally related to plant operation occurred during the reporting period.

Routine biological sampling at Harris Lake during the week of October 24, 1989 confirmed that the existing population of Asiatic clams (*Corbicula*) was still restricted to the vicinity of the two public boat ramps at the lake. Although the clams will most likely spread throughout the lake, they do not now pose a threat to the plant. A monitoring program is in place to monitor the density and distribution of the clams in the lake and to detect their presence in the intake canals and structures.

Routine sampling in Harris Lake on June 14, 1988 revealed the presence of the introduced aquatic weed hydrilla (*Hydrilla verticillata*) in the White Oak arm of the lake. Herbicide applications made during 1989 failed to arrest its spread and subsequent surveys indicated that hydrilla had spread to cover an estimated 50 acres of the lake. Although the majority of the infestation was still in the White Oak arm, several small patches were observed in the Thomas Creek arm near the mouth of the canal to the cooling tower make-up water structure. Although no impacts to power plant operations are expected from hydrilla because of the low water velocities in the canal, a long term management plan is being developed to protect the recreational and aesthetic values of the lake.

4.0 Plant Consistency Requirements

[EPP Section 3.0]

4.1 Plant Design and Operation

There were no changes in plant design or operation plans and there were no tests or experiments performed which were considered to involve an unreviewed environmental question during the reporting period.

4.2 Reporting Related to the NPDES Permit

The permit issued July 12, 1982 remained in effect during 1989.

5.0 Plant Reporting Requirements

[EPP Section 5.4]

5.1 EPP Noncompliances

There were no EPP noncompliances identified during the reporting period.

5.2 Changes in Station Design

There were no changes in plant design or operation plans and there were no tests or experiments performed which involved a potentially significant unreviewed environmental question during the reporting period.

5.3 Nonroutine Reports

There were no EPP nonroutine reports submitted to the NRC during the reporting period.



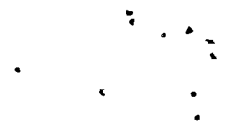
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6.0 EPP Audit

[EPP Section 5.1]

An audit conducted by an independent corporate entity was performed to ensure that the conditions and activities described in this annual environmental operating report were undertaken, fulfilled, and evaluated. The results of that audit are summarized in the attached statement.



Audit of SHNPP - EPP for Year 1989


Based on personal communicating, records review, and other firsthand observations, the information provided in the Shearon Harris Nuclear Power Plant Unit 1 Annual Environmental (Non-radiological) Operating Report for January 1, 1989 - December 31, 1989, to the best of my knowledge, is correct and accurate.

My review of records and reports shows six minor events which did not conform with the NPDES permit. Each event had negligible environmental impact and was reported to the appropriate regulatory agencies. Therefore, I concur that there was no occurrence of an unusual or important environmental event that would indicate or could result in a significant environmental impact causally related to plant operations in 1989.

Based on my review, I believe the Non-radiological Environmental programs for the Shearon Harris Nuclear Power Plant are properly operated and maintained.

Date April 20, 1990

Signature


Ronald L. Shearin
Project Specialist

Subscribed and sworn before me this 23rd day of April in the year 1990.


Notary Public

My commission expires on: June 8, 1991

