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SHEARON HARRIS NUCLEAR POWER PLANT
UNIT 1

ANNUAL ENVIRONMENTAL (NONRADIOLOGICAL) OPERATING REPORT

for

January 1-December 31, 1987

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), requires submittal of an Annual Environmental (nonradiological) Operating Report to 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, 1987, through December 31, 1987.

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 a renewal permit is issued by North Carolina Division of Environmental Management (NCDEM). Routine effluent monitoring was conducted and reported to NCDEM as required by the permit. Monitoring was conducted during 1987 to demonstrate compliance with water quality standards for temperature outside of the mixing zone and was found within compliance.

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.

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

There were no changes to, or renewals of, the NPDES permit or the state certification during the reporting period. An NPDES permit renewal request was submitted to NCDEM on December 29, 1986.

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.

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 following statement:

> Based on personal communications, records review, and other first-hand observations, the information provided in this annual environmental operating report is to the best of my knowledge correct and accurate.

Additional clarifying comments are issued as follows:

1. As noted in this report, no Unusual or Important Environmental Events were reported to the NRC pursuant to Section 4.1 of the EPP.
   However, two minor sewage treatment plant bypass events and one minor oil spill event were properly reported to the appropriate regulatory agencies.

2. The required notice relative to application for NPDES permit renewal was submitted to the NRC by letter dated January 26, 1988. In 1988, Company personnel have implemented a tracking system to ensure timely submittal to the NRC of all documents required in EPP Sections 3.1 and 3.2.

George L. Comer

George L. Comer, PE
NC Registration No. 10954

NORTH CAROLINA PROFESSIONAL SEAL 10954 ENGINEER GEORGE LOUIS COMER

Subscribed and sworn before me this the 26th day of April in the year 1988.

Franklin Murray

My commission expires on: October 23, 1991.

FRANKLIN MURRAY NOTARY PUBLIC WAKE COUNTY, N. C.

CP&L
Carolina Power & Light Company

HARRIS NUCLEAR PROJECT
P. O. Box 165
New Hill, North Carolina 27562

APR 29 1988

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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 1987.

Yours very truly,

R A Watson

R. A. Watson
Vice President
Harris Nuclear Project

MGW:sbg

Enclosure

cc: Dr. J. Nelson Grace (NRC-RII)
Mr. G. F. Maxwell (NRC-SHNPP)

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