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LR-E95058

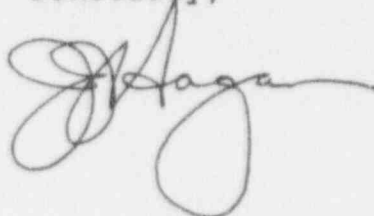
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Gentlemen:

1994 ANNUAL ENVIRONMENTAL OPERATING REPORT
HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NO. NPF-57
DOCKET NO. 50-354

The attached annual environmental operating report is hereby submitted pursuant to Subsection 5.4.1 of the Environmental Protection Plan (Non-radiological) for Hope Creek Generating Station. The Environmental Protection Plan is Appendix B to Facility Operating License NPF-57 (Docket No. 50-354).

Sincerely,



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1994 ANNUAL ENVIRONMENTAL OPERATING REPORT
(NON-RADIOLOGICAL)
January 1 through December 31, 1994

HOPE CREEK GENERATING STATION
DOCKET NO. 50-354
OPERATING LICENSE NO. NPF-57

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
P.O. BOX 236
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APRIL 1995

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1.0 INTRODUCTION

This 1994 Annual Environmental Operating Report (AEOR) for the Hope Creek Generating Station was prepared in accordance with Subsection 5.4.1 of Appendix B to Facility Operating License No. NPF-57, Environmental Protection Plan (Non-radiological). The reporting requirements of the Environmental Protection Plan (EPP) became effective April 11, 1986, with the issuance of the initial Hope Creek Operating License (NPF-57).

This is the ninth AEOR submitted for Hope Creek Generating Station. It corresponds to the reporting period January 1, 1994 to December 31, 1994. Hope Creek Generating Station produced 7,125,636 megawatt-hours of net electrical energy during this period.

As required by Subsection 5.4.1 of the EPP, we have included summaries and analyses of all required environmental protection activities. This information is described in Section 2.0. Section 3.0 addresses the issue of EPP compliance. Changes to station design or operation and the review for potentially significant unreviewed environmental questions are addressed in Section 4.0. Administrative review procedures and unusual and/or important environmental events are discussed in Section 5.0.

2.0 ENVIRONMENTAL PROTECTION ACTIVITIES

2.1 AQUATIC ISSUES

Subsection 4.2.1 of the EPP references the Clean Water Act as the mechanism for protecting aquatic biota through water quality monitoring. The NRC relies upon the State of New Jersey, acting under the authority of the Clean Water Act, to insure applicable requirements for aquatic monitoring are implemented. The New Jersey Department of Environmental Protection (NJDEP) is the state's regulatory agency.

The state of New Jersey requires as part of their New Jersey Pollutant Discharge Elimination System (NJPDES) permit program that effluent monitoring be performed, with the results summarized and submitted monthly on discharge monitoring report forms (DMR's). The monitoring is intended to determine compliance with permit (NJPDES No. NJ0025411) effluent limitations. We have reviewed the DMR's corresponding to the 1994 AEOR reporting period and have determined that no significant deviations have occurred. Copies of monthly DMR's are routinely sent to the document control desk and additional copies are available upon request.

In March 1990, PSE&G submitted an application to the NJDEP for renewal of the Station's NJPDES permit which was to expire on September 30, 1990. In support of this permit application, PSE&G submitted a supplement to the application on August 19, 1991, which contained additional data not provided in the original application and updated and clarified previously submitted information. PSE&G continues to operate under the conditions of the expired NJPDES permit in accordance with NJDEP's letter of May 23, 1990.

Effective January 11, 1990, PSE&G entered into an Administrative Consent Order (ACO) with the NJDEP to resolve historical NJPDES permit violations. The majority of the violations occurred during Station startup and were due in part to the inappropriate use of pre-operational design criterion in establishing NJPDES permit limitations. PSE&G is currently awaiting action by the NJDEP to close the ACO through the issuance of a renewed NJPDES permit.

While the NRC relies on the State of New Jersey and the NJDEP for protection of the water quality, the National Marine Fisheries Service maintains regulatory authority with respect to certain migratory threatened and endangered aquatic species. On May 15, 1993 the NMFS issued a revised Section 7 Consultation, Biological Opinion. The revision removed all requirements for marine life monitoring at the Hope Creek Generating Station. This revision was incorporated into the Facility Operating License No. NPF-57 through Amendment No. 60. Monitoring at the Hope Creek intake structure did not occur during the summer months of 1994 as a result of this revision.

2.2 TERRESTRIAL ISSUES

PSE&G has been voluntarily monitoring the osprey population that nest on our transmission towers through a joint effort with the NJDEP since 1989.

3.0 EPP COMPLIANCE STATUS

3.1 EPP NONCOMPLIANCES

Subsection 5.4.1 of the EPP requires a list of EPP noncompliances and the corrective actions taken to remedy them. No previously unreviewed environmental impacts attributable to the operation of the Hope Creek Generating Station were observed during 1994. Likewise, there were no instances of noncompliance with the EPP.

3.2 REVIEW

Subsection 5.1 of the Environmental Protection Plan for Hope Creek Generating Station requires that an independent review of compliance with the Environmental Protection Plan be maintained and made available for inspection. PSE&G's Environmental Compliance Group in the Environmental Affairs Department in Newark, New Jersey recently conducted an environmental compliance review of the Nuclear Business Unit in September 1994 which conforms to the objectives stated in the EPP.

4.0 CHANGES IN STATION DESIGN OR OPERATION

Pursuant to the requirements of Section 3.1 of the EPP, station design/operational changes during the time period covered by this report were reviewed for potential environmental impact. None of the recommended changes posed a potential to significantly affect the environment, and therefore, none involved an unreviewed environmental question or a change in the EPP.

5.0 NONROUTINE REPORTS

Subsection 5.4.1 of the EPP requires that a list of nonroutine reports submitted to the NRC during 1994 be included with this report. No environmentally related nonroutine reports were submitted to the USNRC in 1994

Hope Creek Generating Station experienced no unusual or important events that indicated or could have resulted in "significant environmental impact" during the 1994 reporting period.