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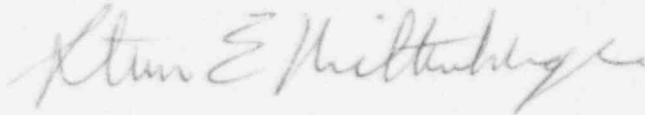
Gentlemen:

1992 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).

If any questions arise concerning this report, please contact Mr. F. X. Thomson, Jr., Manager - Licensing and Regulation at (609) 339-1229.

Sincerely,



Attachment

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1992 ANNUAL ENVIRONMENTAL OPERATING REPORT
(NON-RADIOLOGICAL)
January 1 through December 31, 1992

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

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
P.O. BOX 236
HANCOCKS BRIDGE, NEW JERSEY 08038

APRIL 1993

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1.0 INTRODUCTION

This 1992 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 seventh AEOR submitted for Hope Creek Generating Station. It corresponds to the reporting period January 1, 1992 to December 31, 1992. Hope Creek Generating Station produced 7,050,835 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 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 1992 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 NJDEPE 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 NJDEPE's letter of May 23, 1990.

Effective January 11, 1990, PSE&G entered into an Administrative Consent Order (ACO) with the NJDEPE 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. As a condition of the ACO, PSE&G was required to conduct several studies during the 1990-91 time period to determine the operating capabilities of its treatment and discharge systems. The last of these studies, the Cooling Tower Blowdown Study, was submitted to NJDEPE on October 30, 1991. PSE&G is currently awaiting action by the NJDEPE to close the ACO through the issuance of a renewed NJPDES permit.

While the NRC relies on the State of New Jersey and the NJDEPE for protection of the water quality, the National Marine Fisheries Service maintains regulatory authority with respect to certain migratory threatened and endangered aquatic species. As required by Amendment 43 to the Facility Operating License NPF-57 and the Section 7 Consultation, Biological Opinion, Hope Creek Generating Station is required to conduct daily inspections of the service water intake trash bars on a seasonal basis for sea turtles. Hope Creek complied with these revisions to subsection 4.2.1 of the EPP; however, no sea turtle incidental takes occurred during 1992. Hope Creek Generating Station is continuing to implement the Conservation Recommendations now referenced in Subsection 4.2.1 of the EPP.

During the summer of 1992, Salem Station exceeded the mortality take limit issued by NMFS in the Biological Opinion for endangered species. As a result, the Biological Opinion is currently being revised by NMFS. The proposed revision omits all monitoring requirements for the Hope Creek Generating Station. When a final revision is received by PSE&G appropriate changes will be made to the EPP.

2.2 TERRESTRIAL ISSUES

The Salt Drift Monitoring Program requirements specified in Section 4.2.2 of the EPP have been satisfied and demonstrated that no significant adverse impacts will occur as a result of cooling tower operation. No further terrestrial ecology monitoring is required by the EPP and there have been no unreviewed environmental impacts to the terrestrial ecology of the area as a result of facility operation.

PSE&G has been voluntarily monitoring the osprey population that nest on our transmission towers through a joint effort with the NJDEPE 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 1992. Likewise, there were no instances of noncompliance with the EPP.

3.2 REVIEW

Subsection 5.1 of the Hope Creek Generating Station EPP requires that an independent review of compliance with the Environmental Protection Plan be maintained and made available for inspection. PSE&G's Law Department has conducted an extensive environmental compliance review of the Hope Creek Generating Station which began in September 1991 and in many respects is still ongoing.

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 1992 be included with this report. In accordance with the NJDEPE's revised Discharge Prevention Control and Countermeasure (DPCC) regulations effective September 11, 1991 (N.J.A.C. 7:1E), PSE&G is required to report the discharge of virtually any amount of any hazardous material to the land or waters of the State. While these discharges may not meet the definition of an unusual or important environmental event as defined by EPP Subsection 4.1, Hope Creek Generating Station did provide the NRC with Four-hour reports in accordance with 10CFR50.72(b)(2)(vi) because a notification to another government agency was required.

Hope Creek Generating Station also provided the NRC with copies of the 30-day written confirmation reports submitted to the NJDEPE for any such discharges as specified in EPP Subsection 5.4.2.

The following discharges of hazardous materials were reported to the NJDEPE during 1992 in accordance with DPCC regulations:

<u>Date of Occurrence</u>	<u>Amount (gallon)</u>	<u>Chemical</u>
01/27/92	20	No. 2 fuel oil
05/01/92	5	hydraulic oil
06/08/92	10	hydraulic oil
07/02/92	20	sodium hydroxide solution
07/15/92	20	diesel fuel

Every discharge was to the soil and did not enter any groundwater or surface water of the State. Each discharge was investigated, cleaned up, and corrective measures were implemented to minimize the potential for future recurrence.

In accordance with guidance received from the NRC on October 19, 1992, Hope Creek Generating Station will no longer notify the NRC of minor non-radioactive chemical spills reportable to the NJDEPE under the DPCC regulations. However, other discharges or violations (NJDES, CERCLA) continue to be reported in accordance with 10CFR50.72.

Hope Creek Generating Station experienced no unusual or important events that indicated or could have resulted in "significant environmental impact" during the 1992 reporting period.