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Gentlemen:

1995 ANNUAL ENVIRONMENTAL OPERATING REPORT
SALEM GENERATING STATION, UNIT NOS. 1 AND 2
FACILITY OPERATING LICENSE NOS. DPR-70 AND DPR-75
DOCKET NOS. 50-272 AND 50-311

The attached annual environmental operating report is hereby submitted pursuant to Subsection 5.4.1 of the Environmental Protection Plan (Non-radiological) for Salem Generating Station, Unit Nos. 1 and 2. The Environmental Protection Plan is Appendix B to Facility Operation License Nos. DPR-70 and DPR-75 (Docket Nos. 50-272 and 50-311).

Sincerely,

D. R. Powell
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The power is in your hands.

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1995 ANNUAL ENVIRONMENTAL OPERATING REPORT
(NON-RADIOLOGICAL)
January 1 through December 31, 1995

SALEM GENERATION STATION
UNIT NOS. 1 AND 2
DOCKET NOS. 50-272 AND 50-311
OPERATING LICENSE NOS. DPR-70 AND DPR-75

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
P.O. BOX 236
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APRIL 1996

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1.0 INTRODUCTION

This 1995 Annual Environmental Operating Report (AEOR) is submitted in accordance with Section 5.4.1 of the Salem Generating Station, Unit Nos. 1 and 2, Environmental Protection Plan, Non-radiological (Appendix B to Unit Nos. 1 and 2, Facility Operating License Nos. DPR-70 and DPR-75, Docket Nos. 50-272 and 50-311, respectively).

This is the seventh Annual Environmental Operating Report submitted under the EPP and covers Salem Unit No. 1 and Salem Unit No. 2 for the period from January 1 through December 31, 1995. During 1995, Salem Unit No. 1 generated 2,522,749 megawatt-hours of net electrical energy. Salem Unit No. 2 generated 2,017,510 megawatt-hours of net electrical energy.

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

2.0 ENVIRONMENTAL PROTECTION ACTIVITIES

2.1 AQUATIC MONITORING ISSUES

Subsection 4.2.1 of the EPP references the Clean Water Act as a mechanism for protecting aquatic biota through water quality monitoring. The USNRC relies on 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 NJDEP requires as part of the 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 (DMRs). The monitoring is intended to determine compliance with the effluent limitations of the station's NJPDES permit (No. NJ0005622). We have reviewed the DMRs corresponding to the 1995 AEOR reporting period and have determined that no significant deviations have occurred. We have observed no evidence of trends towards damage to the environment. Copies of monthly NJPDES DMRs for the 1995 report year are available upon request and have been transmitted to the USNRC.

The Salem NJPDES Permit effective September 1, 1994 includes Special Conditions for enhancement of the Delaware Estuary. These Special Conditions include:

- * Modification of the circulating water intake structure's traveling screens to improve the condition of fish returned to the estuary. This work is in progress and is expected to be completed in 1996.
- * The elimination of impediments to fish migration through installation of five fish ladders to enhance the reproduction opportunities for anadromous fish. At least three of the fish ladders will be placed in service in 1996.
- * The restoration and enhancement of over 8,000 acres of degraded wetlands including diked wetlands and wetlands dominated by common reed. The land necessary to complete the restoration and enhancement has been obtained and restoration activities continue. The plans and progress for restoration and enhancement are reviewed by the Management Plan Advisory Committee made up of agency personnel and recognized experts in their field.
- * Extensive bayside and site specific biological monitoring programs are continuing and the plans and progress are reviewed by the Monitoring Advisory Committee made up of agency personnel and recognized experts in their fields.

While the USNRC 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. As required by Amendments 129 and 108 to the Facility Operating License Nos. DPR-70 and DPR-75 and the Section 7 Consultation, Biological Opinion, Salem Generating Station conducted inspections of the circulating water intake trash bars at least every two hours during the 1995 sea turtle season. One sea turtle, a loggerhead, was recovered dead in 1995. The turtle was examined by a veterinarian and it was determined that a necropsy would not be possible due to the severe decomposition of the turtle. This was agreed to by NMFS. The turtle was disposed of at a landfill.

Salem Generating Station will continue to implement the Conservation Recommendations referenced in the revised Section 7, Consultation.

2.2 TERRESTRIAL ISSUES

Section 4.2.2 of the EPP no longer requires terrestrial monitoring. Monitoring of Diamondback Terrapin nesting and the Osprey and Bald Eagle survey were completed in 1989. However, PSE&G has voluntarily continued to monitor the osprey population in a joint effort with the NJDEP.

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 significant environmental impacts attributable to the operation of Salem Generating Station Unit Nos. 1 and 2 were observed during 1995. PSE&G continued to operate Salem Unit Nos. 1 and 2 in compliance with the EPP during 1995 and had no instances of noncompliance that required corrective actions.

3.2 REVIEW

Subsection 5.1 of the Environmental Protection Plan for Salem Generating Station, Units 1 and 2, requires that an independent review of compliance with the EPP be maintained and made available for inspection. A review of environmental self-assessments and agency environmental compliance inspections conducted during 1995 indicated that the station was in compliance with the EPP.

4.0 CHANGES IN STATION DESIGN OR OPERATION

Pursuant to the requirements of Section 3.1 of the Environmental Protection Plan for Salem Unit Nos. 1 and 2, changes in station design and operation and the performance of tests or experiments, for the AEOR covered time period, were reviewed for potential environmental impact. None of the recommended changes posed a potential to significantly affect the environment, 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 all nonroutine reports (submitted in accordance with Subsection 5.4.2) be included as part of the Annual Environmental Operating Report.

One environmentally related nonroutine report was submitted to the USNRC in 1995. One report involved the incidental take of a Loggerhead sea turtle on the circulating water intake trash bars. The turtle was recovered dead with severe decomposition. The turtle was examined by a veterinarian who determined that a necropsy would not be possible due to the severe decomposition. NMFS was notified of the examination and concurred with the veterinarian's opinion that a necropsy would not be beneficial. The turtle was disposed of in a landfill.

Salem Generating Station experienced no unusual or important events that indicated or could have resulted in "significant environmental impact" during the 1995 reporting period.