

Mr. Steven E. Miltenberger  
Vice President and Chief Nuclear  
Officer  
Public Service Electric & Gas  
Company  
Post Office Box 236  
Hancocks Bridge, New Jersey 08038

Dear Mr. Miltenberger:

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2 (TAC NOS. M87183 AND M87184)

The Commission has issued the enclosed Amendment Nos. 146 and 124 to Facility Operating License Nos. DPR-70 and DPR-75 for the Salem Nuclear Generating Station, Unit Nos. 1 and 2. These amendments consist of changes to the Technical Specifications (TSs) in response to your application dated August 6, 1993.

These amendments would modify Appendix B, Section 4.2.1, "Aquatic Monitoring," of the Environmental Protection Plan. The National Marine Fisheries Service issued a revised biological opinion on May 14, 1993, which included a revised incidental take statement. The revision extends the sea turtle monitoring period and the frequency of the monitoring.

A copy of our safety evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice. You are requested to notify the NRC, in writing, when these amendments have been implemented at Salem, Units 1 and 2.

Sincerely,  
/s/

James C. Stone, Senior Project Manager  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

9311050230 931026  
PDR ADOCK 05000272  
P PDR

Enclosures:

- 1. Amendment No. 146 to License No. DPR-70
- 2. Amendment No. 124 to License No. DPR-75
- 3. Safety Evaluation

cc w/enclosures:  
See next page

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*DF01*



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 26, 1993

Docket Nos. 50-272/311

Mr. Steven E. Miltenberger  
Vice President and Chief Nuclear  
Officer  
Public Service Electric & Gas  
Company  
Post Office Box 236  
Hancocks Bridge, New Jersey 08038

Dear Mr. Miltenberger:

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2 (TAC NOS. M87183  
AND M87184)

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These amendments would modify Appendix B, Section 4.2.1, "Aquatic Monitoring," of the Environmental Protection Plan. The National Marine Fisheries Service issued a revised biological opinion on May 14, 1993, which included a revised incidental take statement. The revision extends the sea turtle monitoring period and the frequency of the monitoring.

A copy of our safety evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice. You are requested to notify the NRC, in writing, when these amendments have been implemented at Salem, Units 1 and 2.

Sincerely,

A handwritten signature in cursive script that reads "James C. Stone".

James C. Stone, Project Manager  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 146 to  
License No. DPR-70
2. Amendment No. 124 to  
License No. DPR-75
3. Safety Evaluation

cc w/enclosures:  
See next page

Mr. Steven E. Miltenberger  
Public Service Electric & Gas  
Company

Salem Nuclear Generating Station,  
Units 1 and 2

cc:

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Public Service Commission of Maryland  
Engineering Division  
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231 E. Baltimore Street  
Baltimore, MD 21202-3486



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

PUBLIC SERVICE ELECTRIC & GAS COMPANY

PHILADELPHIA ELECTRIC COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-272

SALEM NUCLEAR GENERATING STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 146  
License No. DPR-70

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for amendment filed by the Public Service Electric & Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) dated August 6, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-70 is hereby amended to read as follows:

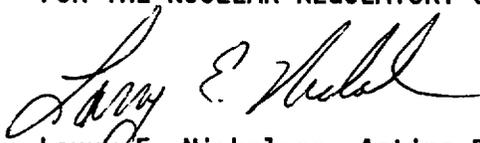
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P PDR

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 146, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 60 days after the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Larry E. Nicholson, Acting Director  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: October 26, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 146

FACILITY OPERATING LICENSE NO. DPR-70

DOCKET NO. 50-272

Revise Appendix B as follows:

Remove Pages

4-1

4-2

Insert Pages

4-1

4-2

#### 4.0 Environmental Conditions

##### 4.1 Unusual or Important Environmental Events

Any occurrence of an unusual or important event that indicates or could result in significant environmental impact causally related to plant operation shall be recorded and reported to the NRC within 24 hours followed by a written report per Subsection 5.4.2. The following are examples: excessive bird impaction events; onsite plant or animal disease outbreaks; mortality or unusual occurrence of any species protected by the Endangered Species Act of 1973; fish kills or impingement events on the intake screens; increase in nuisance organisms or conditions; unanticipated or emergency discharge of waste water or chemical substances.

No routine monitoring programs are required to implement this condition.

##### 4.2 Environmental Monitoring

###### 4.2.1 Aquatic Monitoring

The certifications and permits required under the Clean Water Act provide mechanisms for protecting water quality and, indirectly, aquatic biota. The NRC will rely on the decisions made by the State of New Jersey under the authority of the Clean Water Act and, in the case of sea turtles and shortnose sturgeon, decisions made by the National Marine Fisheries Service (NMFS) under the authority of the Endangered Species Act, for any requirements pertaining to aquatic monitoring.

In accordance with Section 7(a) of the Endangered Species Act, on May 14, 1993, the National Marine Fisheries Service issued a Section 7 Consultation Biological Opinion related to the operation of Salem Unit 1 and 2 Generating Stations. This Section 7 Consultation entitled, "Reinitiation of a consultation in accordance with Section 7(a) of the Endangered Species Act regarding continued operation of the Salem and Hope Creek Nuclear Generating Stations on the eastern shore of the Delaware River in New Jersey," concluded that "...continued operation is not likely to jeopardize the continued existence of listed species."

In accordance with Attachment 1, Incidental Take Statement, to this Biological Opinion, and all subsequent amendments as may be approved by the National Marine Fisheries Services, PSE&G shall:

- (1) Inspect the Salem Station circulating water intake trash bars at least once every two hours from June 1 through October 15. These inspections should be documented.
- (2) Clean the Salem Station circulating water trash bars once per day from June 1 through October 15. These cleanings should be documented.

- (3) If a lethal incidental take of an endangered or threatened species occurs between June 1 through September 30, that is directly attributable to the plant intake structure, monitoring of the Salem CWS intake structure must be conducted hourly (rather than every 2 hours). Two hour monitoring may be reestablished from October 1 through October 15, however, if a lethal take occurs, monitoring must be again conducted hourly.
- (4) Make use of dip nets and other equipment whenever possible to remove smaller sea turtles from intake water trash racks to reduce trauma caused by the existing cleaning mechanism. Use supplemental lighting during night inspections to assist noting sea turtles at the circulating water intake, impinged on the trash racks.
- (5) Implement the sea turtle resuscitation procedures for comatose turtles described in Appendix I of the Section 7 Biological Opinion. These procedures and related materials shall be posted in appropriate areas such as the fish pool buildings and the circulating water intake operators office.
- (6) The monitoring and reporting system established in 1981 and modified in Appendix II of the Section 7 Biological Opinion will continue. These reports shall be sent to the NMFS, North East Region (NER) within 30 days of any incidental take. Notification and reporting to the NRC shall be in accordance with Section 4.1 of this EPP.

Attachment 2, Conservation Recommendations, to this Biological Opinion suggests conservation recommendations for implementation by Salem Generating Station. The Station shall implement these recommendations to the satisfaction of the National Marine Fisheries Service.

#### 4.2.2 Terrestrial Monitoring

Terrestrial monitoring is not required.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

PUBLIC SERVICE ELECTRIC & GAS COMPANY

PHILADELPHIA ELECTRIC COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-311

SALEM NUCLEAR GENERATING STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 124  
License No. DPR-75

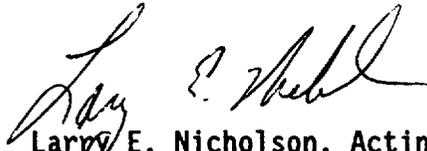
1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for amendment filed by the Public Service Electric & Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) dated August 6, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-75 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. <sup>124</sup>, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 60 days after the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Larry E. Nicholson, Acting Director  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: October 26, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 124

FACILITY OPERATING LICENSE NO. DPR-75

DOCKET NO. 50-311

Revise Appendix B as follows:

Remove Pages

4-1

4-2

Insert Pages

4-1

4-2

#### 4.0 Environmental Conditions

##### 4.1 Unusual or Important Environmental Events

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- (6) The monitoring and reporting system established in 1981 and modified in Appendix II of the Section 7 Biological Opinion will continue. These reports shall be sent to the NMFS, North East Region (NER) within 30 days of any incidental take. Notification and reporting to the NRC shall be in accordance with Section 4.1 of this EPP.

Attachment 2, Conservation Recommendations, to this Biological Opinion suggests conservation recommendations for implementation by Salem Generating Station. The Station shall implement these recommendations to the satisfaction of the National Marine Fisheries Service.

#### 4.2.2 Terrestrial Monitoring

Terrestrial monitoring is not required.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NOS. 146 AND 124 TO FACILITY OPERATING

LICENSE NOS. DPR-70 AND DPR-75

PUBLIC SERVICE ELECTRIC & GAS COMPANY

PHILADELPHIA ELECTRIC COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-272 AND 50-311

1.0 INTRODUCTION

By letter dated August 6, 1993, the Public Service Electric & Gas Company (PSE&G or the licensee) submitted a request for changes to Appendix B of the Facility Operating License for the Salem Nuclear Generating Station, Units 1 and 2. The requested changes would modify Section 4.2.1, "Aquatic Monitoring," in the Environmental Protection Plan.

2.0 EVALUATION

Under the Endangered Species Act of 1973, a Section 7 consultation was reopened to discuss the occurrence and rescue of impinged sea turtles at the Salem and Hope Creek Generating Stations intake structures. The National Marine Fisheries Service (NMFS), the NRC, and PSE&G conducted discussions on this issue, and on January 2, 1991, the NMFS issued a biological opinion. The biological opinion included an incidental take statement (ITS) which specified measures that PSE&G should take to facilitate observance and rescue of impinged sea turtles at the intake structures. PSE&G incorporated these measures into the Environmental Protection Plan (EPP) as requested by the NRC staff. A revised Section 7, consultation, biological opinion was issued by NMFS on May 14, 1993, which included a revised ITS. The staff issued the document to the licensee on June 2, 1993. The licensee's proposed changes to Appendix B of the facility operating license are addressed below.

1. In 1991 and 1992, inspections of the Salem circulating water system (CWS) intake trash bars were required every 2 hours from June 1 to September 30. However, because sea turtles have been documented to occur in New York through the late fall, this monitoring exercise will be extended through October 15. The daily cleaning period of the Salem CWS intake trash bars has also been extended through October 15. Documentation of the inspections and cleaning will be done.

2. If a lethal incidental take of an endangered or threatened species occurs between June 1 through September 30, that is directly attributable to the plant intake structure, monitoring of the Salem CWS intake structure will be conducted hourly (rather than every 2 hours). Two-hour monitoring may be reestablished from October 1 through October 15; however, if a lethal take occurs, monitoring will again be conducted hourly.
3. The May 14, 1993 biological opinion will be referenced in the EPP, Section 4.2.

The proposed changes are consistent with the recommendations of NMFS and the May 14, 1993 revised biological opinion issued by the staff. Therefore, the staff concludes that the proposed changes are acceptable.

### 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the New Jersey State official was notified of the proposed issuance of the amendments. The State official had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendments change a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and change surveillance requirements. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (58 FR 48388). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

### 5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: J. Zimmerman

Date: October 26, 1993