

August 15, 1991

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: REPLACE SECTION 4.2.1, AQUATIC MONITORING OF ENVIRONMENTAL
PROTECTION PLAN, SALEM NUCLEAR GENERATING STATION, UNITS
1 AND 2 (TAC NOS. 80636 AND 80637)

The Commission has issued the enclosed Amendment Nos. 129 and 108 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 June 12, 1991.

These amendments replace the existing paragraph in Section 4.2.1, Aquatic Monitoring, of the Environmental Protection Plan, Appendix B of the Salem Unit Nos. 1 and 2 Facility Operating Licenses, with the attached revised Section 4.2.1.

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 the amendments have been implemented at Salem 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

Enclosures:

1. Amendment No. 129 to
License No. DPR-70
2. Amendment No. 108 to
License No. DPR-75
3. Safety Evaluation

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

August 15, 1991

Docket Nos. 50-272
and 50-311

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: REPLACE SECTION 4.2.1, AQUATIC MONITORING OF ENVIRONMENTAL
PROTECTION PLAN, SALEM NUCLEAR GENERATING STATION, UNITS
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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 the amendments have been implemented at Salem 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. 129 to
License No. DPR-70
2. Amendment No. 108 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

cc:

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c/o Mary O. Henderson, Clerk
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Hancocks Bridge, NJ 08038

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Vice President - Nuclear Operations
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Radiation Protection Programs
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Mr. J. T. Robb, Director
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Philadelphia Electric Company
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Wayne, PA 19087

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

Salem Nuclear Generating Station

William Fox, Jr.
Assistant Administrator for Fisheries
National Marine Fisheries Service
1335 East West Highway
Silver Spring, MD 20910



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

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. 129
License No. DPR-70

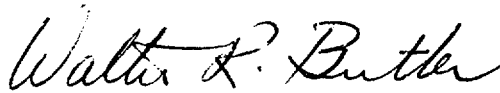
1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
 - A. The application for amendment filed by the Public Service Electric & Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) dated June 12, 1991 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 Environmental Protection Plan as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DRP-70 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. 129, 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 of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects - I/II

Attachment:
Changes to the Environmental
Protection Plan

Date of Issuance: August 15, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 129

FACILITY OPERATING LICENSE NO. DPR-70

DOCKET NO. 50-272

Revise Appendix B as follows:

Remove Page

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 January 2, 1991, 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 September 30.
- (2) Clean the Salem Station circulating water trash bars once per day from June 1 through September 30.
- (3) 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.

- (4) 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.
- (5) 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

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. 108
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 June 12, 1991 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 Environmental Protection Plan, 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. 108 , 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 of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects - I/II

Attachment:
Changes to the Environmental
Protection Plan

Date of Issuance: August 15, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 108

FACILITY OPERATING LICENSE NO. DPR-75

DOCKET NO. 50-311

Revise Appendix B as follows:

Remove Page

4-1

4-2

Insert Pages

4-1

4-2

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No routine monitoring programs are required to implement this condition.

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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.

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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 September 30.
- (2) Clean the Salem Station circulating water trash bars once per day from June 1 through September 30.
- (3) 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.

- (4) 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.
- (5) 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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 129 AND 108 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 June 12, 1991, the Public Service Electric & Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) submitted a request for changes to the Salem Nuclear Generating Station, Unit Nos. 1 and 2, Technical Specifications (TS). The requested changes would replace the existing paragraph in Section 4.2.1, Aquatic Monitoring, of the Environmental Protection Plan, Appendix B of the Salem Unit Nos. 1 and 2 Facility Operating Licenses, with the attached revised Section 4.2.1.

2.0 EVALUATION

Under the Endangered Species Act of 1973, Section 7 Consultation was reopened to discuss the occurrence of impinged sea turtles on the Salem Generating Station circulating water system trash bars. The National Marine Fisheries Service (NMFS), the Nuclear Regulatory Commission (NRC) and Public Service Electric and Gas Company (PSE&G) were involved in the consultation. A Biological Opinion was issued by the NMFS on January 2, 1991. This document includes an Incidental Take Statement which outlines specific measures the NMFS feels PSE&G should take to facilitate observance and rescue of impinged sea turtles at Salem and Hope Creek. The Biological Opinion also includes a list of suggested Conservation Recommendations.

By letter dated March 11, 1991, PSE&G requested changes to the Incidental Take Statement contained in the January 2, 1991, Biological Opinion. On April 30, 1991, the NRC staff forwarded the requested changes to NMFS for approval. On May 30, 1991, NMFS approved the requested changes.

By letter dated April 11, 1991, the NRC staff requested PSE&G to incorporate into the Environmental Protection Plan for Salem 1 and Hope Creek, the Incidental Take Statement requirements of the January 2, 1991, Biological Opinion. However, the changes requested in the March 11, 1991, letter were not to be included.

The changes proposed for the Salem Environmental Protection Plan, Section 4.2.1 are:

- (1) Inspect the Salem Station circulating water intake trash bars at least once every two hours from June 1 through September 30.
- (2) Clean the Salem Station circulating water trash bars once per day from June 1 through September 30.
- (3) 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.
- (4) Implement the sea turtles 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.
- (5) 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.

In addition, a statement is being added to address the Conservation Recommendations that were in Attachment 2 of the Biological Opinion. This statement commits PSE&G to implementing the Conservation Recommendations to the satisfaction of the NMFS.

The proposed changes are in agreement with the Incidental Take Statement of the January 2, 1991, Biological Opinion as changed by the May 30, 1991, NMFS letter. The staff finds the proposed changes to be acceptable. The staff, with the concurrence of PSE&G, made one change to item (5) above to correct a typographical error.

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 inspection and 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 (56 FR 31441). 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 Contributors:

D. Nguyen

J. Stone

Date: August 15, 1991