

April 10, 1991

Docket Nos. 50-277
and 50-278

Mr. George J. Beck
Director-Licensing, MC 5-2A-5
Philadelphia Electric Company
Nuclear Group Headquarters
Correspondence Control Desk
P.O. Box No. 195
Wayne, Pennsylvania 19087-0195

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WButler DHagan
GSuh(2) Wanda Jones
RClark EBrach, LPEB
MO'Brien(2) JCalvo TSB

Dear Mr. Beck:

SUBJECT: INDEPENDENT SAFETY ENGINEERING GROUP AND NUCLEAR REVIEW BOARD
TECHNICAL SPECIFICATIONS FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT
NOS. 2 AND 3 (TAC NOS. 76386 AND 76387)

The Commission has issued the enclosed Amendment Nos. 158 and 160 to Facility Operating License Nos. DPR-44 and DPR-56 for the Peach Bottom Atomic Power Station, Unit Nos. 2 and 3. These amendments consist of changes to the Technical Specifications (TS) in response to your application dated February 26, 1990, as supplemented on February 13, 1991. The supplemental letter proposed to add the title of "President" in TS 6.2.3.4. The staff has determined that this additional change does not affect the proposed no significant hazards determination.

These amendments involve the addition of TS requirements for the Independent Safety Engineering Group and revised Nuclear Review Board membership and meeting frequency requirements.

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Bi-Weekly Federal Register Notice.

Sincerely,

/s/

Gene Y. Suh, Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 158 to DPR-44
- 2. Amendment No. 160 to DPR-56
- 3. Safety Evaluation

cc w/enclosures:
See next page

OFC	: PDI-2/IA	: PDI-2/PM	: LPEB/BC	: OGC	: PDI-2/D
NAME	: MO'Brien	: GSuh:tlc	: EBrach	: WButler	
DATE	: 3/26/91	: 3/26/91	: 3/27/91	: 3/29/91	: 4/9/91

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20556

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Sincerely,

A handwritten signature in cursive script that reads "Gene Y. Suh".

Gene Y. Suh, Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 158 to DPR-44
2. Amendment No. 160 to DPR-56
3. Safety Evaluation

cc w/enclosures:
See next page

Mr. George J. Beck
Philadelphia Electric Company

Peach Bottom Atomic Power Station,
Units 2 and 3

cc:

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Sr. V.P. & General Counsel
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Peach Bottom Township
R. D. #1
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Peach Bottom Atomic Power Station
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Delta, Pennsylvania 17314

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

PHILADELPHIA ELECTRIC COMPANY
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
DELMARVA POWER AND LIGHT COMPANY
ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-277

PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 158
License No. DPR-44

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Philadelphia Electric Company, et. al. (the licensee) dated February 26, 1990, as supplemented on February 13, 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;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health or 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-44 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 158, are hereby incorporated in the license. PECO shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



For

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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: April 10, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 158

FACILITY OPERATING LICENSE NO. DPR-44

DOCKET NO. 50-277

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

<u>Remove</u>	<u>Insert</u>
-	245b
249	249
250	250

6.2.3 Independent Safety Engineering Group (ISEG)Function

- 6.2.3.1 The ISEG shall function to responsively and proactively examine unit operating characteristics, NRC issuances, industry advisories, Licensee Event Reports, and other sources of unit design and operating experience information, including units of similar design, which may indicate areas for improving unit safety. The ISEG shall make detailed recommendations for revised procedures, equipment modifications, maintenance activities, operations activities, or other means of improving unit safety. Such recommendations shall be submitted through the General Manager, Nuclear Quality Assurance to the Executive Vice President-Nuclear.

Composition

- 6.2.3.2 The Peach Bottom ISEG shall be composed of at least five dedicated, full-time engineers, including the ISEG Superintendent, located onsite. The Peach Bottom ISEG shall meet all of the following qualification requirements:
- a. Each member shall have a bachelor's degree in engineering or related science.
 - b. The ISEG Superintendent shall have at least six years of full-time commercial nuclear experience.
 - c. Each of the members shall have at least two years of full-time commercial nuclear experience.
 - d. Not more than one of the members shall have less than three years of full-time commercial nuclear experience.
 - e. Excluding the experience of the Superintendent, the members collectively shall have at least 16 years of full-time commercial nuclear experience.
 - f. The ISEG (Superintendent included) collectively shall have the broad range of knowledge and experience necessary to perform the functions and responsibilities specified in 6.2.3.1 and 6.2.3.3.

Responsibilities

- 6.2.3.3 The ISEG shall be responsible for maintaining surveillance of unit activities to provide independent verification* that these activities are performed correctly and that human errors are reduced as much as practical.

Authority

- 6.2.3.4 The ISEG reports to the General Manager, Nuclear Quality Assurance. If any significant nuclear quality concern identified by the ISEG is not adequately resolved, the General Manager, Nuclear Quality Assurance shall notify the Nuclear Review Board, the Executive Vice President-Nuclear, the President, or the Nuclear Committee of the Board. If the ISEG is not satisfied with the resolution of any significant nuclear quality concern by the General Manager, Nuclear Quality Assurance, the ISEG shall notify the Nuclear Review Board of that concern.

Records

- 6.2.3.5 Records of activities performed by the ISEG shall be prepared, maintained, and forwarded each calendar month to the General Manager, Nuclear Quality Assurance.

*Not responsible for sign-off function

PBAPS

6.5.2 Nuclear Review Board Function

6.5.2.1 The Nuclear Review Board (NRB) shall function to provide independent review and audit of designated activities in the area of:

- a. nuclear power plant operations
- b. nuclear engineering
- c. chemistry and radiochemistry
- d. metallurgy
- e. instrumentation and control
- f. radiological safety
- g. mechanical and electrical engineering
- h. quality assurance practices

The members of the NRB will be competent in the area of quality assurance practice and cognizant of the Quality Assurance requirements of 10 CFR 50, Appendix B. Additionally, they will be cognizant of the corporate Quality Assurance Program and will have the corporate Quality Assurance organization available to them.

Organization

6.5.2.2 The Chairman, members and alternate members of the NRB shall be appointed in writing by the Executive Vice President - Nuclear, and shall have an academic degree in an engineering or physical science field and in addition, shall have a minimum of five years technical experience, of which a minimum of three years shall be in one or more areas given in 6.5.2.1.

The NRB shall be composed of at least five members who are Philadelphia Electric Company (PECo) employees and at least two outside members who are not PECo employees.

PBAPS

Alternates

- 6.5.2.3 A current list of alternates shall be maintained in NRB records. Each alternate member will serve on a continuing basis. Alternates shall vote only in the absence of that member for whom they are the designated alternate.

Consultants

- 6.5.2.4 Consultants shall be utilized as determined by the NRB Chairman to provide expert advice to the NRB.

Meeting Frequency

- 6.5.2.5 The NRB shall meet at least once per calendar quarter.

Quorum

- 6.5.2.6 A quorum of the NRB shall consist of the Chairman or Vice Chairman or their designated alternates and four members or their alternates. No more than a minority of the quorum shall have line responsibility for operation of the facility.

Review

- 6.5.2.7 The NRB shall review:
- a. The safety evaluations for 1) changes to procedures, equipment or systems and 2) tests or experiments completed under the provision of 10 CFR 50.59, to verify that such actions did not constitute an unreviewed safety question.
 - b. Proposed changes to procedures, equipment or systems which involve an unreviewed safety question as defined in 10 CFR 50.59.
 - c. Proposed tests or experiments which involve an unreviewed safety question as defined in 10 CFR 50.59.



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

PHILADELPHIA ELECTRIC COMPANY
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
DELMARVA POWER AND LIGHT COMPANY
ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-278

PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 160
License No. DPR-56

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Philadelphia Electric Company, et. al. (the licensee) dated February 26, 1990, as supplemented on February 13, 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;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health or 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-56 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 160, are hereby incorporated in the license. PECO shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: April 10, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 160

FACILITY OPERATING LICENSE NO. DPR-56

DOCKET NO. 50-278

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

<u>Remove</u>	<u>Insert</u>
-	245b
249	249
250	250

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PBAPS

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 - b. Proposed changes to procedures, equipment or systems which involve an unreviewed safety question as defined in 10 CFR 50.59.
 - c. Proposed tests or experiments which involve an unreviewed safety question as defined in 10 CFR 50.59.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NOS. 158 AND 160 TO FACILITY OPERATING

LICENSE NOS. DPR-44 and DPR-56

PHILADELPHIA ELECTRIC COMPANY
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
DELMARVA POWER AND LIGHT COMPANY
ATLANTIC CITY ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION, UNIT NOS. 2 AND 3

DOCKET NOS. 50-277 AND 50-278

1.0 INTRODUCTION

By letter dated February 26, 1990, as supplemented on February 13, 1991, Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company, and Atlantic City Electric Company, (the licensees) submitted a request for changes to the Peach Bottom Atomic Power Station, Unit Nos. 2 and 3, Technical Specifications (TS). The requested changes would add TS requirements for the Independent Safety Engineering Group (ISEG) and revise Nuclear Review Board (NRB) membership and meeting frequency requirements. The licensee's February 13, 1991 letter proposed to add the title of "President" to TS 6.2.3.4. This addition serves to further enhance the authority of the Independent Safety Engineering Group. The staff has determined that this additional change does not substantially alter the actions noticed or affect the proposed determination that the amendments involve no significant hazards consideration published April 18, 1990.

2.0 EVALUATION

As part of a June 20, 1989 Agreement between the Philadelphia Electric Company and the Commonwealth of Pennsylvania, the licensee agreed to submit TS amendment requests to add requirements for the Independent Safety Engineering Group and to revise existing TS requirements for the Nuclear Review Board. The proposed TS for the Independent Safety Engineering Group outlined the function and responsibilities of ISEG, specified the qualifications and experience for ISEG members, and noted reporting requirements related to ISEG-identified concerns. It is noted that the establishment of an ISEG and implementation of ISEG-related TS requirements were outlined in Item I.B.1.2 of NUREG-0737, "Clarification of TMI Action Plan Requirements," dated November 1980. As discussed in NUREG-0737, Action Plan Item I.B.1.2 applied to applicants for operating licenses and did not apply to operating reactors. The proposed changes for the Nuclear Review Board increased the meeting frequency from two times a year to at least once per calendar quarter and specified that the NRB membership shall include at least five licensee employees and at least two outside members. The proposed TS changes would also clarify the status of NRB alternate members.

The staff has reviewed the proposed TS and concluded that they are consistent with the standard technical specifications and will not detract from existing safe operation of Peach Bottom. The proposed changes in NRB meeting frequency and NRB membership represent an increase in requirements from those presently specified in the current TS. The addition of ISEG TS requirements will assure an increase in the available technical expertise located onsite and an increased level of independent assessment of plant activities. Based on this review, the staff finds that the above changes to the TS for Peach Bottom Atomic Power Station, Units 2 and 3 are acceptable.

3.0 STATE CONSULTATION

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

4.0 ENVIRONMENTAL CONSIDERATIONS

The amendments relate to changes in administrative procedures and requirements. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement nor 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: G. Suh

Date: April 10, 1991