

Docket Nos. 50-277(1278)

July 30, 1986

Posted  
Amdt. 123  
to DPR-56

Mr. Edward G. Bauer, Jr.  
Vice President and General Counsel  
Philadelphia Electric Company  
2301 Market Street  
Philadelphia, Pennsylvania 19101

Dear Mr. Bauer:

The Commission has issued the enclosed Amendments Nos. 119 and 123 to Facility Operating Licenses Nos. DPR-44 and DPR-56 for the Peach Bottom Atomic Power Station, Units Nos. 2 and 3. These amendments consist of changes to the Technical Specifications (TSs) in response to your application dated February 21, 1985, as supplemented by letter dated April 22, 1986.

The specific changes to the TSs covered by these amendments are in partial response to your application dated February 21, 1986, as supplemented by letter dated April 22, 1986. Generic Letter 86-10 (implementation of Fire Protection Requirements: April 24, 1986) provided guidance to all Licensees pertaining to the deletion of TSs, which may become unnecessary, upon incorporation into the Updated FSAR of an NRC approved Fire Protection Program. The Philadelphia Electric Company (the Licensee) has indicated to the NRC staff that it is in the process of requesting the appropriate review and approval of its fire protection program in light of the above Generic Letter guidance. With this in mind, the staff has deferred its review of many items in the Licensee's amendment request until a complete review of the Licensee's fire protection program is completed. The granted changes involve the addition of surveillance and operability requirements pertaining to Appendix R modification involving fire doors and penetration seals.

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

Sincerely,

Original signed by:

Gerald E. Gears, Project Manager  
BWR Project Directorate #2  
Division of BWR Licensing

Enclosures:

- 1. Amendment No. 119 to DPR-44
- 2. Amendment No. 123 to DPR-56
- 3. Safety Evaluation

cc w/enclosures: See next page

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Mr. E. G. Bauer, Jr.  
Philadelphia Electric Company

Peach Bottom Atomic Power Station,  
Units 2 and 3

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Mr. Albert R. Steel, Chairman  
Board of Supervisors  
Peach Bottom Township  
R. D. #1  
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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. 119  
License No. DPR-44

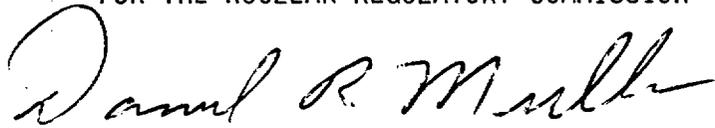
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Philadelphia Electric Company, et al, dated February 21, 1985, as supplemented April 22, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), 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 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-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. 119, 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 the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Daniel R. Muller, Director  
BWR Project Directorate #2  
Division of BWR Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 30, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 119

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.

REMOVE

240j

INSERT

240j(1)  
240j(2)

3. Fire Barriers

1. Fire barriers (including walls, floor, ceilings, electrical cable enclosures, cable, piping and ventilation duct penetration seals, fire doors, and fire dampers) which protect safety related systems required to ensure safe shutdown capability in the event of a fire, shall be functional.

2. If the requirements of 3.14.D.1 cannot be met, within one hour establish a continuous fire watch on at least one side of the affected fire barrier, or verify the operability of fire detectors on at least one side of the inoperable fire barrier and establish an hourly fire watch patrol. Reactor startup and continued reactor operation is permissible.

4.14.D Fire Barriers

1. Fire barriers required to meet the provisions of 3.14.D.1 (fire doors excluded - see specification 4.14.D.2) shall be verified operable following maintenance or modifications, and by performing the following visual inspection at least once per 18 months:

- a. The exposed surface of each fire barrier wall, floor, ceiling, and electrical cable enclosure. Exposed surfaces are those surfaces that can be viewed by the inspector from the floor.
- b. Each fire damper.
- c. At least 10 percent of each type of fire barrier penetration seal (including electrical cable, piping, ventilation duct penetration seals, and excluding internal conduit seals) such that each penetration seal will be inspected at least once per 15 years. Difficult-to-view fire barrier (unexposed) walls, ceilings, and electrical cable enclosures that are rendered accessible by the penetration seal inspection program shall also be inspected during each 10 percent inspection.

4.14.D Fire Barriers (Cont'd)

## 1. (Continued)

If any penetration seal selected for inspection is found by surveillance requirements 4.14.D.1(c) in a condition which may compromise the operability of the penetration seal, the cause shall be evaluated. If the cause is a failure to adhere to penetration seal procedures, or an identified phenomenon (e.g., physical interference), the cause shall be corrected and potentially affected seals inspected. Otherwise, a visual inspection of an additional 10 percent, selection based on the nature of the degradation, shall be made. This inspection process shall continue until a 10 percent sample with no degradation is found.

2. Fire doors required to meet the provisions of 3.14.D.1 shall be verified operable by inspecting the closing mechanism and latches every 6 months\*, and by verifying:

- a. The operability of the fire door supervision system for each electrically supervised fire door by performing a functional test every month.
- b. That each locked-closed fire door is in the closed position every week.
- c. That each unlocked fire door without electrical supervision is in the closed position every day.

\*Fire door inspections requiring access to radiation areas may be deferred until the next refueling outage or shutdown initially expected to be of at least a 7-day duration.



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. 123  
License No. DPR-56

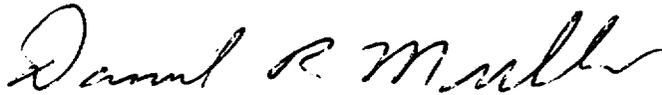
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Philadelphia Electric Company, et al, dated February 21, 1985, as supplemented April 22, 1986, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), 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 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-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. 123, 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 the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Daniel R. Muller, Director  
BWR Project Directorate #2  
Division of BWR Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 30, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 123

FACILITY OPERATING LICENSE NO. DPR-56

DUCKET 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.

REMOVE

240j

INSERT

240j(1)  
240j(2)

3. Fire Barriers

1. Fire barriers (including walls, floor, ceilings, electrical cable enclosures, cable, piping and ventilation duct penetration seals, fire doors, and fire dampers) which protect safety related systems required to ensure safe shutdown capability in the event of a fire, shall be functional.
2. If the requirements of 3.14.D.1 cannot be met, within one hour establish a continuous fire watch on at least one side of the affected fire barrier, or verify the operability of fire detectors on at least one side of the inoperable fire barrier and establish an hourly fire watch patrol. Reactor startup and continued reactor operation is permissible.

4.14.D Fire Barriers

1. Fire barriers required to meet the provisions of 3.14.D.1 (fire doors excluded - see specification 4.14.D.2) shall be verified operable following maintenance or modifications, and by performing the following visual inspection at least once per 18 months:
  - a. The exposed surface of each fire barrier wall, floor, ceiling, and electrical cable enclosure. Exposed surfaces are those surfaces that can be viewed by the inspector from the floor.
  - b. Each fire damper.
  - c. At least 10 percent of each type of fire barrier penetration seal (including electrical cable, piping, ventilation duct penetration seals, and excluding internal conduit seals) such that each penetration seal will be inspected at least once per 15 years. Difficult-to-view fire barrier (unexposed) walls, ceilings, and electrical cable enclosures that are rendered accessible by the penetration seal inspection program shall also be inspected during each 10 percent inspection.

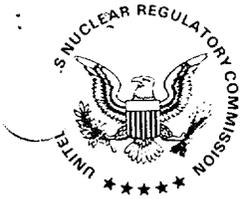
4.14.D Fire Barriers (Cont'd)

## 1. (Continued)

If any penetration seal selected for inspection is found by surveillance requirements 4.14.D.1(c) in a condition which may compromise the operability of the penetration seal, the cause shall be evaluated. If the cause is a failure to adhere to penetration seal procedures, or an identified phenomenon (e.g., physical interference), the cause shall be corrected and potentially affected seals inspected. Otherwise, a visual inspection of an additional 10 percent, selection based on the nature of the degradation, shall be made. This inspection process shall continue until a 10 percent sample with no degradation is found.

2. Fire doors required to meet the provisions of 3.14.D.1 shall be verified operable by inspecting the closing mechanism and latches every 6 months\*, and by verifying:
  - a. The operability of the fire door supervision system for each electrically supervised fire door by performing a functional test every month.
  - b. That each locked-closed fire door is in the closed position every week.
  - c. That each unlocked fire door without electrical supervision is in the closed position every day.

\*Fire door inspections requiring access to radiation areas may be deferred until the next refueling outage or shutdown initially expected to be of at least a 7-day duration.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 119 TO FACILITY OPERATING LICENSE NO. DPR-44 AND  
AMENDMENT NO. 123 TO FACILITY OPERATING LICENSE NO. 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, UNITS NOS. 2 AND 3  
DOCKETS NOS. 50-277/278

1.0. INTRODUCTION

By letter dated February 21, 1985, as supplemented by letter dated April 22, 1986, the Philadelphia Electric Company (the Licensee) requested amendments to the Technical Specifications (TSs) (Appendix A of Operating Licenses Nos. DPR-44 and DPR-56) for Peach Bottom Atomic Power Station, Units 2 and 3, to incorporate new operability and surveillance requirements to the TSs pertaining to Appendix R (10 CFR Part 50, Appendix R, Fire Protection Program for Nuclear Power Facilities Operating Prior to October 1, 1979) modifications.

2.0 EVALUATION

The proposed changes include the following: (1) incorporation of additional fire detectors into the table identifying the detectors subject to the operability and surveillance requirements of the TSs, and (2) modification of the fire barrier surveillance requirements to reflect the guidance of the Standard Technical Specifications. The staff has determined that it is appropriate to review the following proposed changes at this time:

1. The first change is associated with the addition of an operability test of the fire door supervision system on a monthly basis in accordance with the staff's guidance as reflected in the Standard Technical Specifications. We have reviewed the proposed TS change and find that it meets the staff's guidance as reflected in the Standard Technical Specifications. Therefore, we find these changes to be acceptable.

2. The second change is related to the surveillance frequency of fire doors. The Licensee's February 22, 1985 submittal proposed that operability tests on fire doors be performed on a quarterly basis. The NRC staff indicated that this deviation from the Standard Technical Specifications was unacceptable. The Licensee, therefore, proposed in its April 22, 1986 application that an operability test of the fire door supervision system be performed once per month in accordance with the Standard Technical Specifications. The current TSs require testing of the fire door supervision system once per 18 months. The staff finds the proposed TS changes which increase surveillance requirements are acceptable.
3. The third change involves surveillance testing of penetration seals. The Licensee proposed in its February 22, 1986 submittal that approximately 10 percent of all fire barrier penetration seals be subject to an inspection every 18 months. The Licensee now proposes that the TSs should be changed to indicate that at least 10 percent of each type of fire barrier seal be tested. This proposed change conforms with the Standard Technical Specifications. The staff, therefore, finds that the proposed changes are acceptable.

### 3.0 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 staff has determined that the amendment involves 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. Accordingly, this 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.

### 4.0 CONCLUSION

We have 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, and (2) such activities will be conducted in compliance with the Commission's regulations, and 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. Gears, J. Stang  
Dated: July 30, 1986