

April 7, 1994

Docket Nos. 50-277
and 50-278

Mr. George A. Hunger, Jr.
Director-Licensing, MC 52A-5
PECO Energy Company
Nuclear Group Headquarters
Correspondence Control Desk
P.O. Box No. 195
Wayne, Pennsylvania 19087-0195

Dear Mr. Hunger:

SUBJECT: ISSUANCE OF LICENSE AMENDMENT REGARDING TECHNICAL SPECIFICATION (TS)
CHANGE REQUEST 93-27, PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND
3 (TAC NOS. M88494 AND M88495)

The Commission has issued the enclosed Amendments Nos. 189 and 194 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
TS in response to your application dated December 21, 1993, as supplemented on
March 11, 1994.

These amendments revise the TS to accurately describe the main stack high
range and reactor building roof vent high range radiation monitors, and delete
previously approved Amendment No. 168 for Unit 3. Amendment No. 168 was an
emergency temporary change to the TS which is no longer required. Please
inform the staff, in writing, when these amendments have been implemented.

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/

Stephen Dembek, Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

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P PDR

Enclosures:

1. Amendment No. 189 to DPR-44
2. Amendment No. 194 to DPR-56
3. Safety Evaluation

cc w/enclosures:

See next page 100084

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| | | |
|------------------|-------------------|------------------|
| Docket File | MO'Brien(2) | CGrimes, 11E21 |
| NRC & Local PDRs | SDembek | LCunningham |
| PDI-2 Reading | OGC | ACRS(10) |
| SVarga | DHagan, 3206 | OPA |
| JCalvo | GHill(4), P1-22 | OC/LFDCB |
| CMiller | EWenzinger, RGN-I | CAnderson, RGN-I |

| | | | | | | | |
|------|------------|--------------|---------------|-----------|-----------|------------|---|
| OFC | : PDI-2/LA | : PDI-2/PM | : PRPB/BC | : OTSB/BC | : OGC | : PDI-2/D | : |
| NAME | : MO'Brien | : SDembek:rb | : LCunningham | : CGrimes | : | : CMIT/for | : |
| DATE | : 7/27/94 | : 3/23/94 | : 3/24/94 | : 1/1/94 | : 3/30/94 | : 4/5/94 | : |

OTSB concurrence is not required. S. Dembek 3/28/94

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 7, 1994

Docket Nos. 50-277
and 50-278

Mr. George A. Hunger, Jr.
Director-Licensing, MC 52A-5
PECO Energy Company
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P.O. Box No. 195
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These amendments revise the TS to accurately describe the main stack high range and reactor building roof vent high range radiation monitors, and delete previously approved Amendment No. 168 for Unit 3. Amendment No. 168 was an emergency temporary change to the TS which is no longer required. Please inform the staff, in writing, when these amendments have been implemented.

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,

A handwritten signature in cursive script, appearing to read "Stephen Dembek".

Stephen Dembek, Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 189 to DPR-44
2. Amendment No. 194 to DPR-56
3. Safety Evaluation

cc w/enclosures:
See next page

Mr. George A. Hunger, Jr.
PECO Energy 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
Delta, Pennsylvania 17314

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Delta, Pennsylvania 17314

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Carl D. Schaefer
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Based on the staff's review, the TS changes requested by the licensee will improve the accuracy and clarity of the TS and 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 amendments. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendments change requirements with respect to installation or use of a facility component located within the restricted area, as defined in 10 CFR Part 20. 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 (59 FR 7697). 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: S. Dembek

Date: April 7, 1994



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NOS. 189 AND 194 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 December 21, 1993, as supplemented on March 11, 1994, the Philadelphia Electric Company (the licensee) submitted a request for changes to the Peach Bottom Atomic Power Station (PBAPS), Unit Nos. 2 and 3, Technical Specifications (TS). The requested changes would revise TS Table 3.2.F, "Surveillance Instrumentation," to accurately describe the main stack high range and reactor building roof vent high range radiation monitors, and delete previously approved Amendment No. 168 for Unit 3. Amendment No. 168 was an emergency temporary change to the TS to allow fuel loading to take place without all control rods fully inserted into the core. The supplemental letter corrected an editorial mistake in the licensee's December 21, 1993 submittal and did not expand the scope of the original Federal Register notice or change the no significant hazards determination.

2.0 EVALUATION

The licensee's proposal would revise TS Table 3.2.F to account for plant modifications that have caused the table to be inaccurate. This inaccuracy was caused by modifications which were installed just prior to approval of license Amendments 128 and 131 (for Units 2 and 3, respectively). These modifications removed a panel to allow the installation of new hydrogen chemistry panels. Amendments 128 and 131 referred to the pre-modification panel configuration. Therefore, when the modifications were installed, a discrepancy existed between the TS and the as-built condition of the plant. The staff has reviewed the licensee's proposed changes and agrees that the changes merely update Table 3.2.F to reflect the as-built condition of the plant.

PBAPS, Unit 3, Amendment No. 168, was originally granted to minimize the delay of fuel inspections while the licensee evaluated inspection results and prepared for cleaning activities during the cycle 8 refueling outage (Unit 3 is currently operating in cycle 10). This TS is no longer applicable and the licensee has requested that it be deleted.

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PBAPS

LIMITING CONDITIONS FOR OPERATIONSURVEILLANCE REQUIREMENTS3.10 CORE ALTERATIONSApplicability

Applies to the fuel handling and core reactivity limitations.

Objective

To ensure that core reactivity is within the capability of the control rods and to prevent critically during refueling.

SpecificationA. Refueling Interlocks

1. The reactor mode switch shall be locked in the "Refuel" position during core alterations and the refueling interlocks shall be operable except as specified in 3.10.A.5 and 3.10.A.6 below.
2. Fuel shall not be loaded into the reactor core unless all control rods are fully inserted.

4.10 CORE ALTERATIONSApplicability

Applies to the periodic testing of those interlocks and instrumentation used during refueling and core alterations.

Objective

To verify the operability of instrumentation and interlocks used in refueling and core alterations.

SpecificationA. Refueling Interlocks

1. Prior to any core alterations within or over the reactor core, the reactor switch "Refuel" position interlocks shall be functionally tested. They shall be tested at weekly intervals thereafter until no longer required. They shall also be tested following any repair work associated with the interlocks.
2. Prior to performing control rod or control rod drive maintenance on control cells without removing fuel assemblies, it shall be demonstrated that the core can be made subcritical by a margin of 0.25 percent Δk at any time during the maintenance with the strongest operable control rod

TABLE 3.2.F (Cont'd) - SURVEILLANCE INSTRUMENTATION

| Item | Minimum No. of Operable Instrument Channels | Parameter | Instrument | Type Indication and Range | Action* |
|------|--|---|--|--|--------------|
| 11 | 2 | Suppression Chamber Water Level (wide range) | LR-8(9)123A, B | Recorder 1-21 ft. | (10)(11) |
| 12 | 1 | Control Rod Position | N/A | 28 Volt Indicating) Lights) | (1)(2)(3)(4) |
| 13 | 1 | Neutron Monitoring | N/A | SRM, IRM, LPRM) 0-100%) | |
| 14 | 1 | Safety-Relief Valve Position Indication | POAM-2(3)-2-71A-L TE-2(3)-2-113A-L | Acoustic or Thermocouple | (5) |
| 15 | 2 | Drywell High Range Radiation Monitors | RR-8(9)103A, B | Recorder 1-1E(+8) R/hr | (7) |
| 16 | 1 | Main Stack High Range Radiation Monitor | RR-0-17-051 | Recorder 10 ⁵ to 10 ¹¹ CPS (Log Scale) | (7) |
| 17 | 1 | Reactor Building Roof Vent High Range Radiation Monitor | RR-2979 (Unit 2) RR-3979 (Unit 3) | Recorder 10 ⁷ to 10 ¹³ CPM (Log Scale) | (7) |
| 18 | 2 | Drywell Hydrogen Concentration Analyzer and Monitor | 3AC872, 3BC872 XR-90411A, XR-90411B | Analyzer and Recorder 0-30% volume | (1)(2)(3) |

* Notes for Table 3.2.F appear on pages 78 and 78a.

ATTACHMENT TO LICENSE AMENDMENT NO. 194

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.

Remove

77a
225

Insert

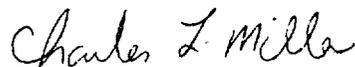
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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 194, 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



Charles L. Miller, 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: April 7, 1994



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

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. 194
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 December 21, 1993, as supplemented on March 11, 1994, 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:

TABLE 3.2.F (Cont'd) - SURVEILLANCE INSTRUMENTATION

| Item | Minimum No. of Operable Instrument Channels | Parameter | Instrument | Type Indication and Range | Action* |
|------|---|---|---|--|--------------|
| 11 | 2 | Suppression Chamber Water Level (wide range) | LR-8(9)123A, B | Recorder 1-21 ft. | (10)(11) |
| 12 | 1 | Control Rod Position | N/A | 28 Volt Indicating Lights) | (1)(2)(3)(4) |
| 13 | 1 | Neutron Monitoring | N/A | SRM, IRM, LPRM) | |
| | | | | 0-100%) | |
| 14 | 1 | Safety-Relief Valve Position Indication | POAM-2(3)-2-71A-L TE-2(3)-2-113A-L | Acoustic or Thermocouple | (5) |
| 15 | 2 | Drywell High Range Radiation Monitors | RR-8(9)103A, B | Recorder 1-1E(+8) R/hr | (7) |
| 16 | 1 | Main Stack High Range Radiation Monitor | RR-0-17-051 | Recorder 10 ⁵ to 10 ¹¹ CPS (Log Scale) | (7) |
| 17 | 1 | Reactor Building Roof Vent High Range Radiation Monitor | RR-2979 (Unit 2) RR-3979 (Unit 3) | Recorder 10 ⁷ to 10 ¹³ CPM (Log Scale) | (7) |
| 18 | 2 | Drywell Hydrogen Concentration Analyzer and Monitor | 2(3)BS215, 2(3)CS215 H2R-4(5)965B, C | Analyzer and Recorder 0-20% Volume | (1)(2)(3) |

* Notes for Table 3.2.F appear on pages 78 and 78a.

ATTACHMENT TO LICENSE AMENDMENT NO. 189

FACILITY OPERATING LICENSE NO. DPR-44

DOCKET NO. 50-277

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

Remove

77a

Insert

77a

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 189, 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



Charles L. Miller, 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: April 7, 1994



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

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. 189
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 December 21, 1993, as supplemented on March 11, 1994, 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:

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PDR ADOCK 05000277
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